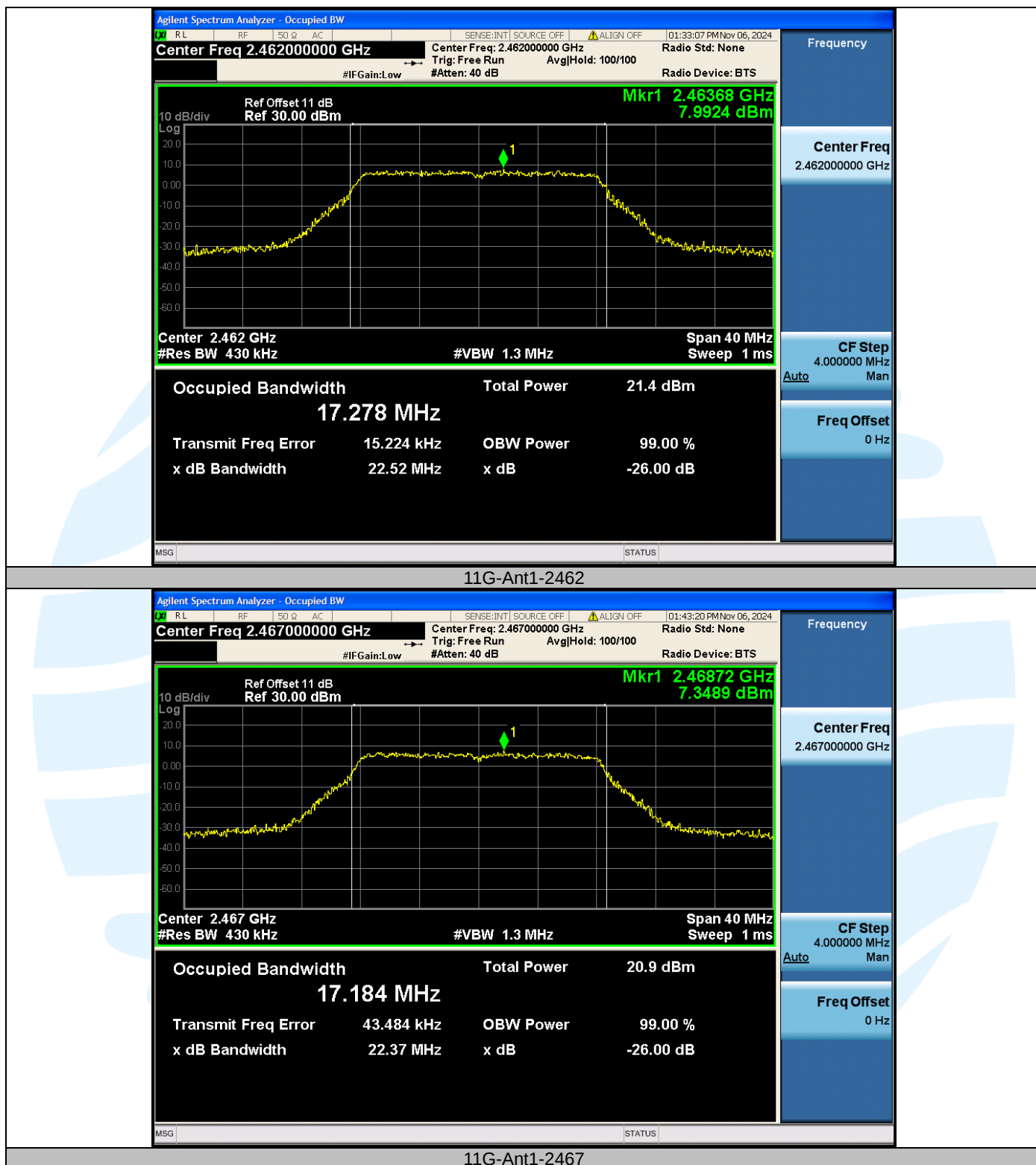
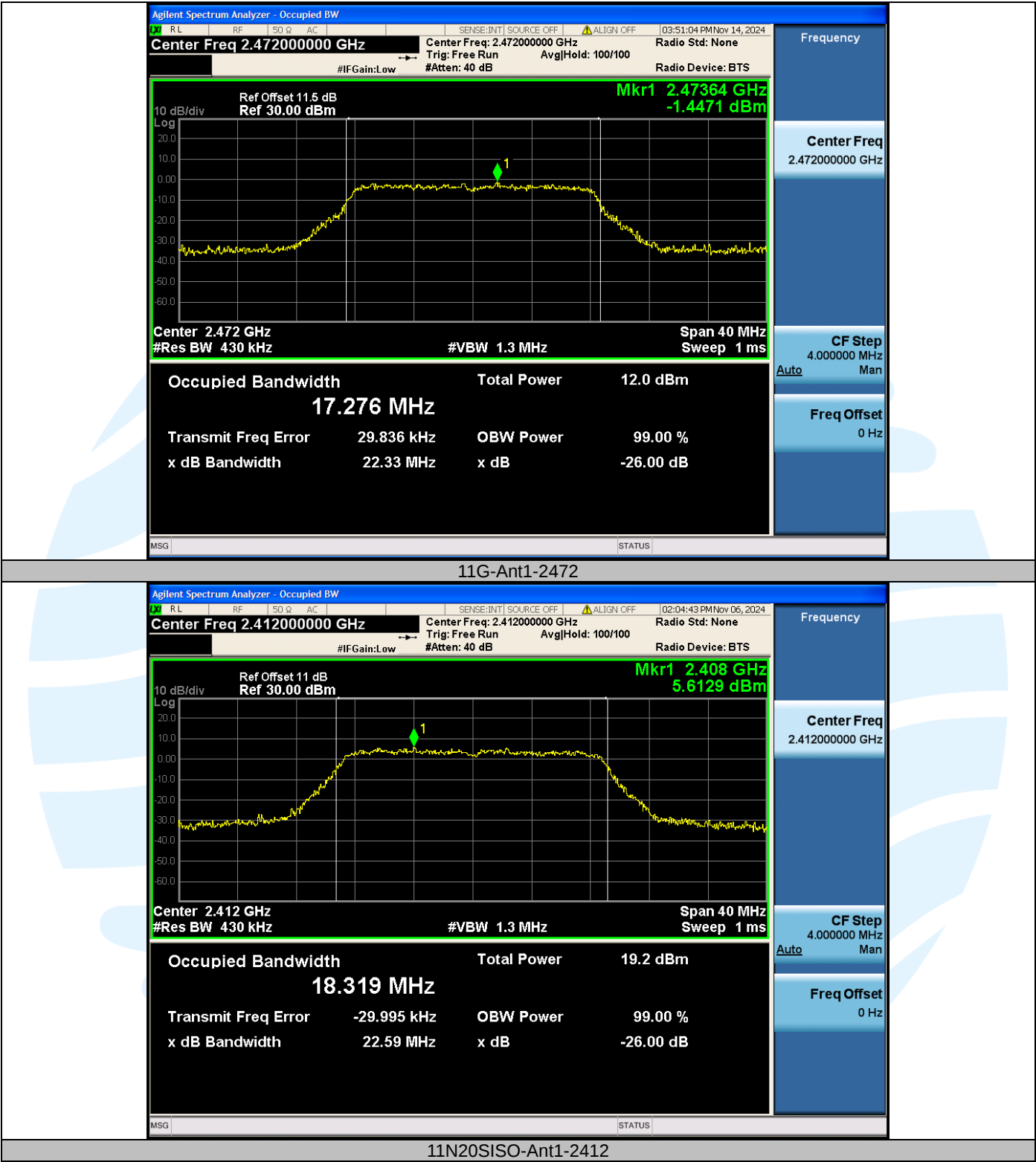
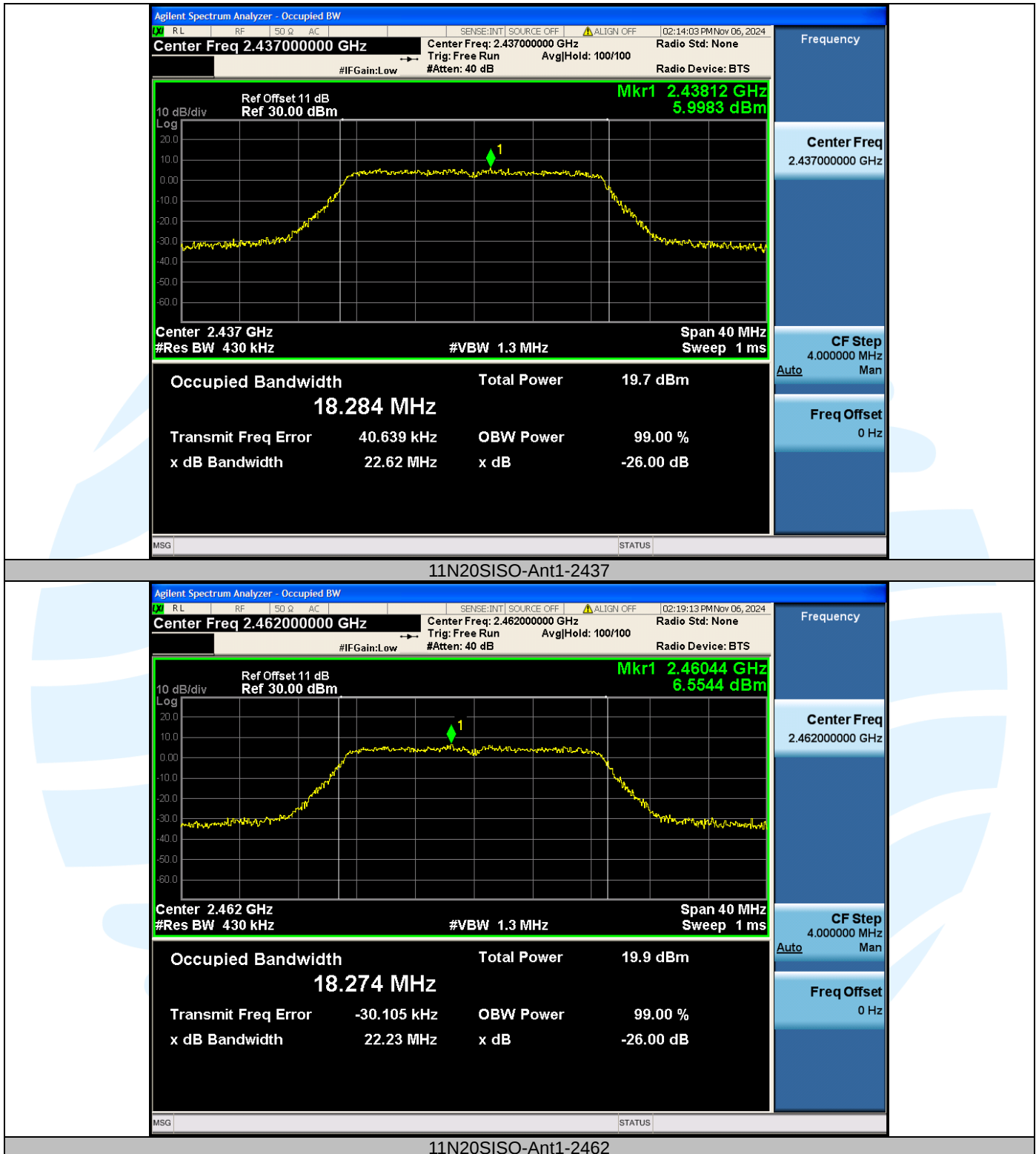
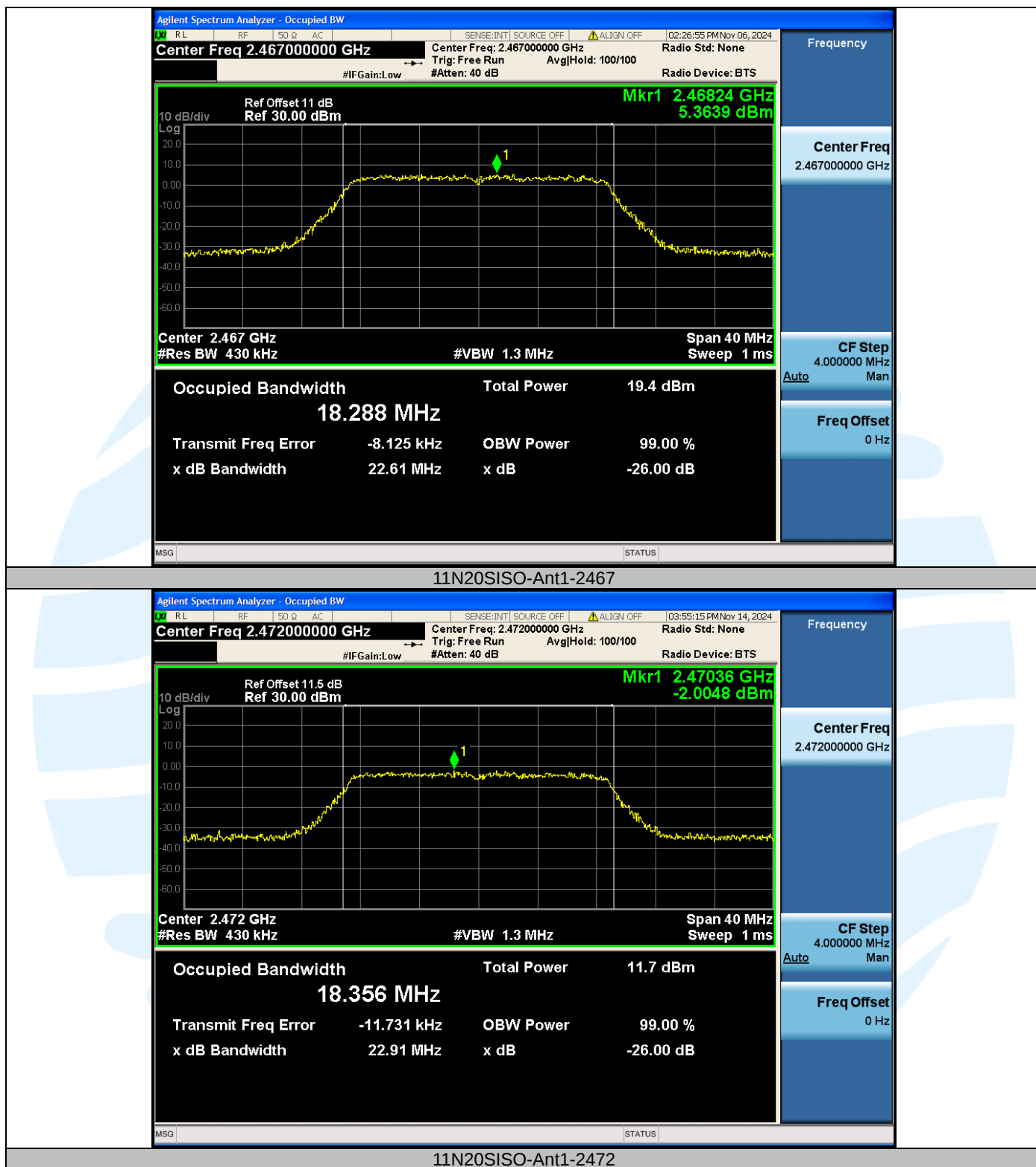








**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

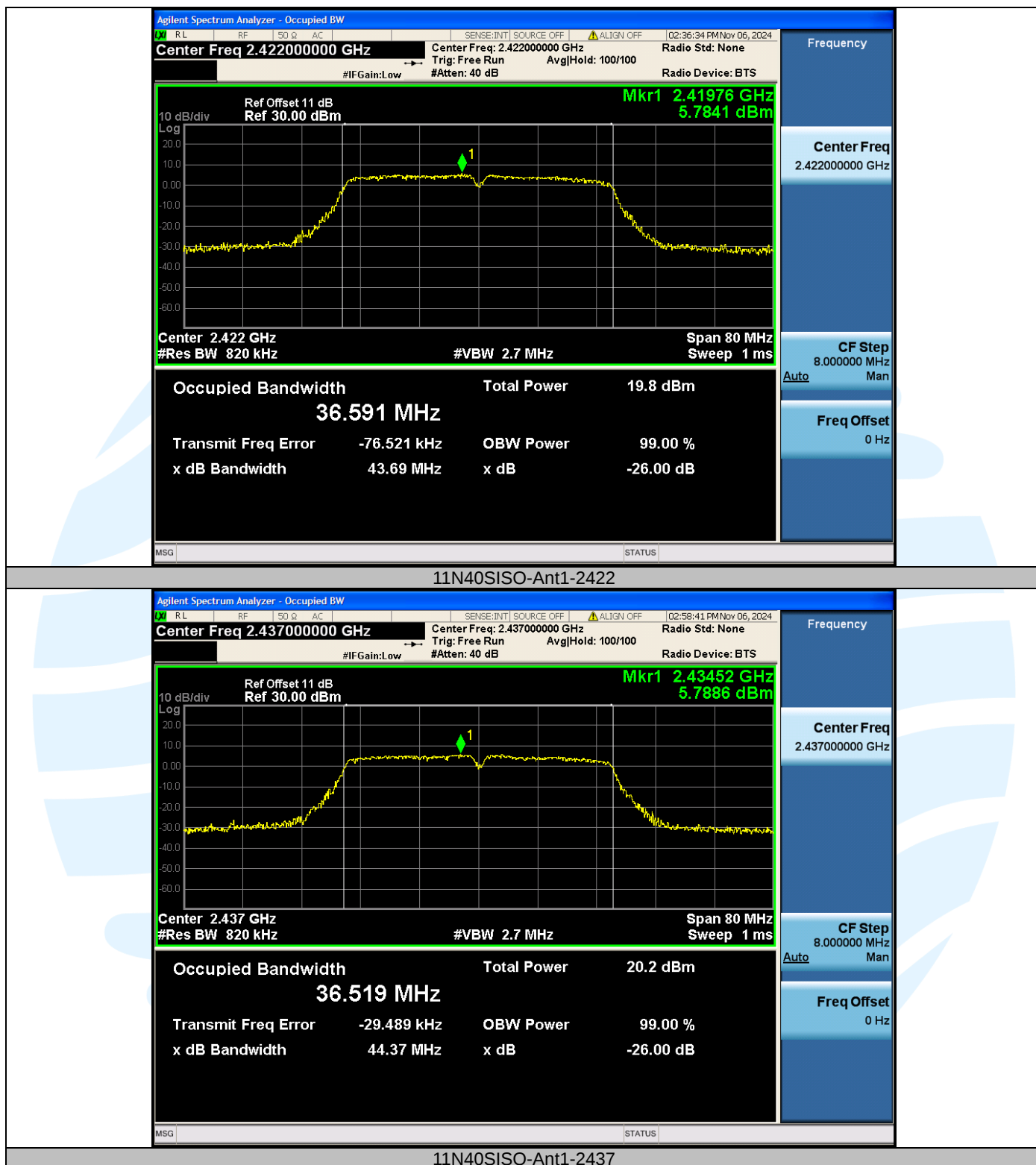
Tel: +86-755-28230888

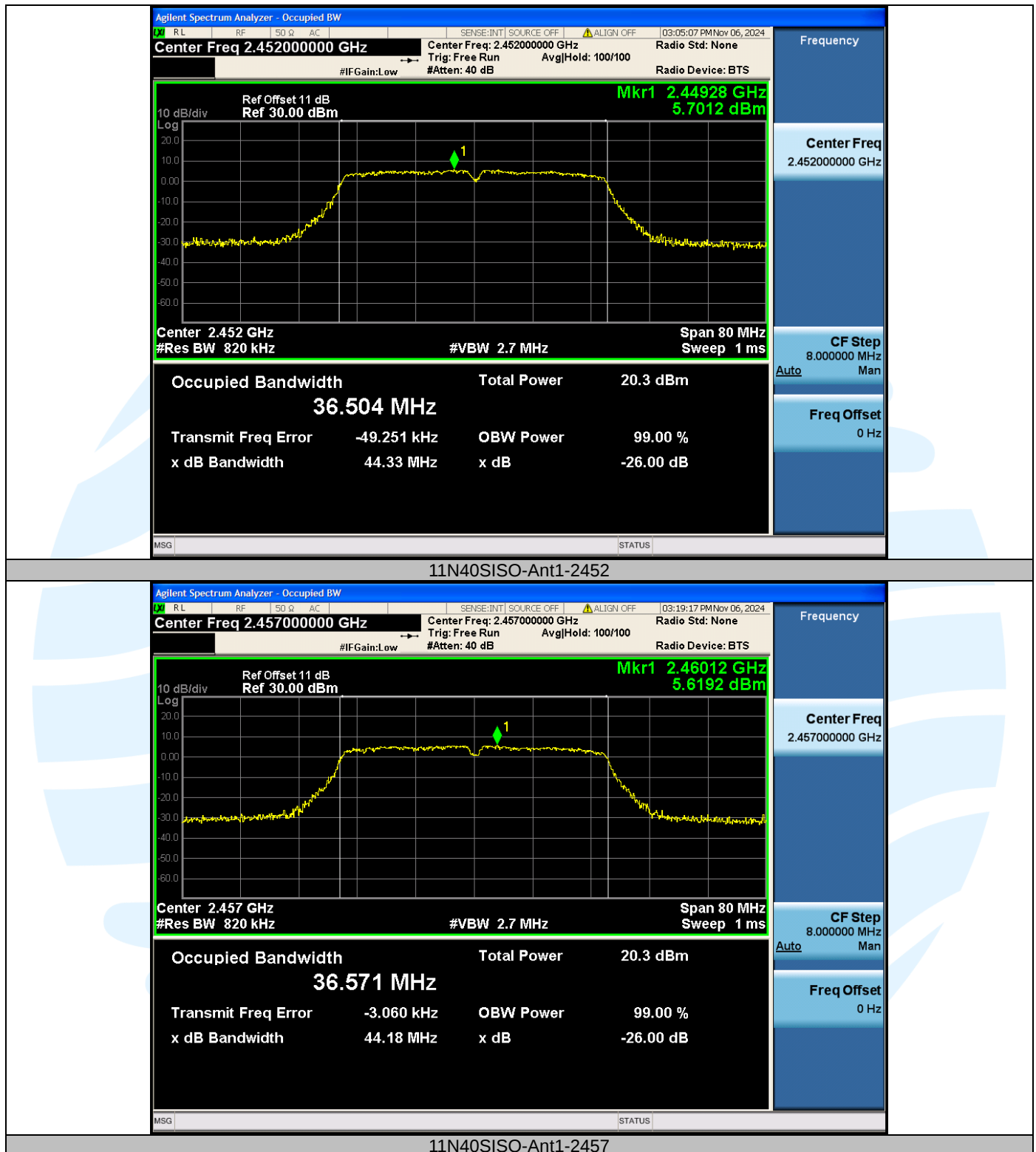
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1



**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

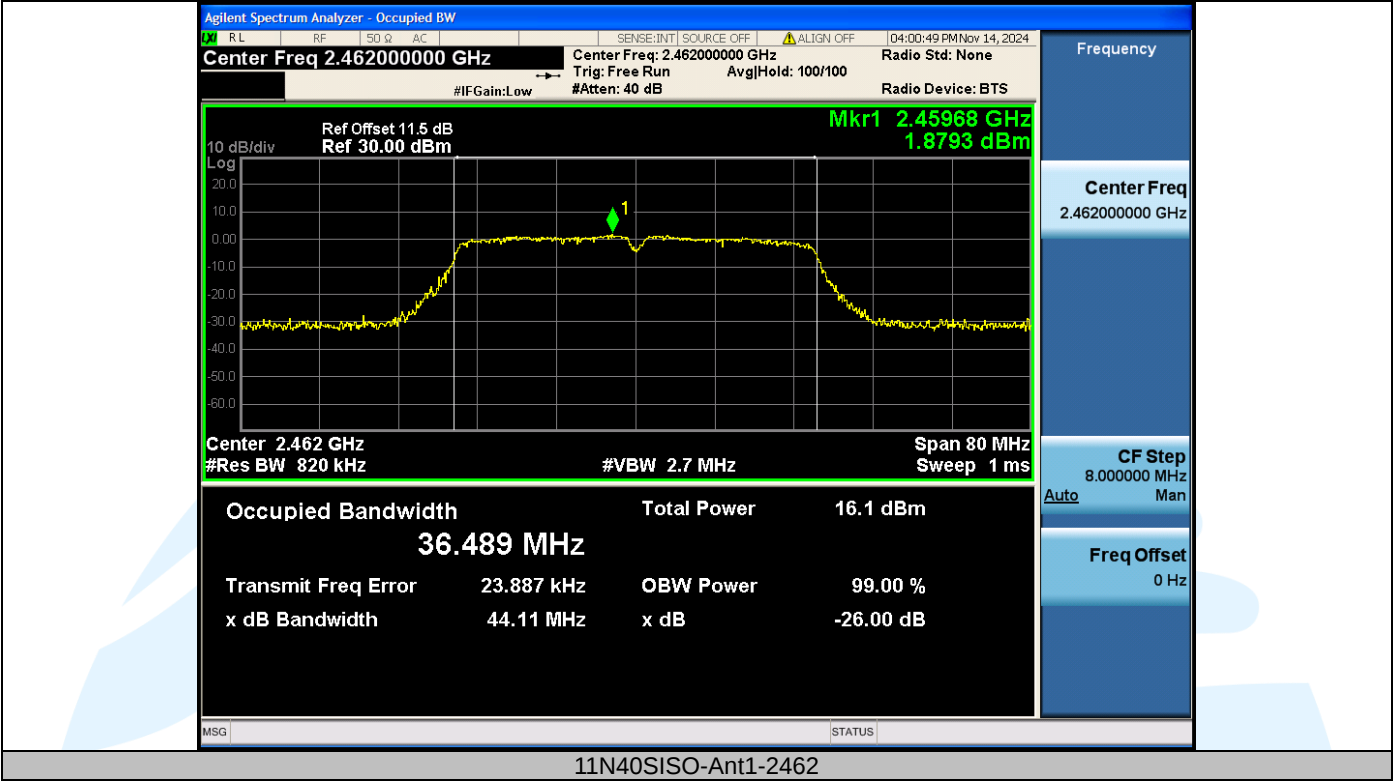
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China
Tel: +86-755-28230888 Fax: +86-755-28230886 E-mail: info@uttlab.com <http://www.uttlab.com>
UTTR-RF-FCCPART15.247-V1.1

A.3 POWER SPECTRAL DENSITY

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-7.46	≤8.00	PASS
11B	Ant1	2437	-7.07	≤8.00	PASS
11B	Ant1	2462	-6.75	≤8.00	PASS
11B	Ant1	2467	-7.33	≤8.00	PASS
11B	Ant1	2472	-7.48	≤8.00	PASS
11G	Ant1	2412	-10.80	≤8.00	PASS
11G	Ant1	2437	-10.37	≤8.00	PASS
11G	Ant1	2462	-10.24	≤8.00	PASS
11G	Ant1	2467	-10.80	≤8.00	PASS
11G	Ant1	2472	-19.74	≤8.00	PASS
11N20SISO	Ant1	2412	-12.03	≤8.00	PASS
11N20SISO	Ant1	2437	-11.55	≤8.00	PASS
11N20SISO	Ant1	2462	-11.37	≤8.00	PASS
11N20SISO	Ant1	2467	-11.82	≤8.00	PASS
11N20SISO	Ant1	2472	-19.77	≤8.00	PASS
11N40SISO	Ant1	2422	-13.92	≤8.00	PASS
11N40SISO	Ant1	2437	-13.85	≤8.00	PASS
11N40SISO	Ant1	2452	-13.90	≤8.00	PASS
11N40SISO	Ant1	2457	-13.30	≤8.00	PASS
11N40SISO	Ant1	2462	-17.42	≤8.00	PASS

Test Graphs



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

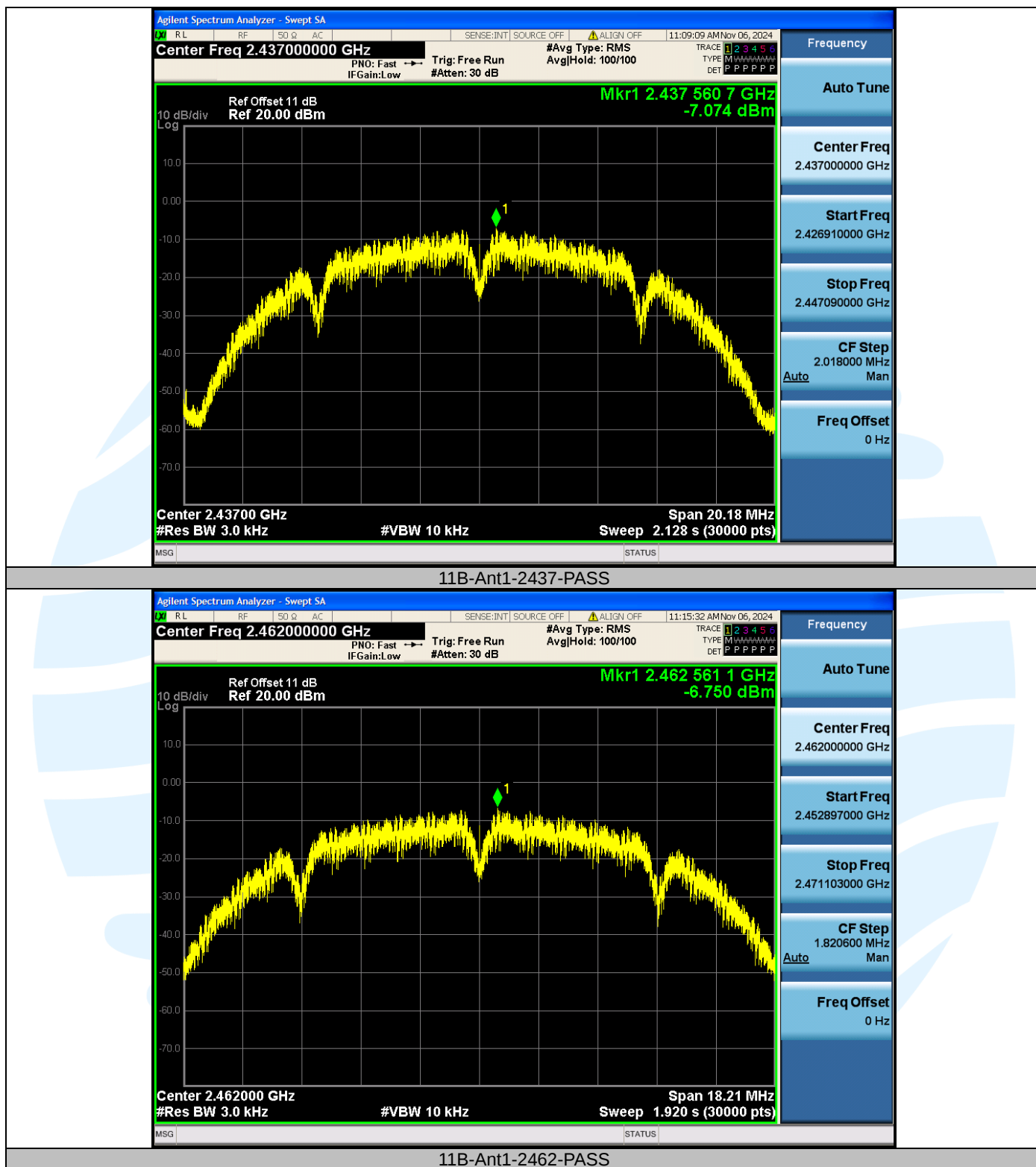
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

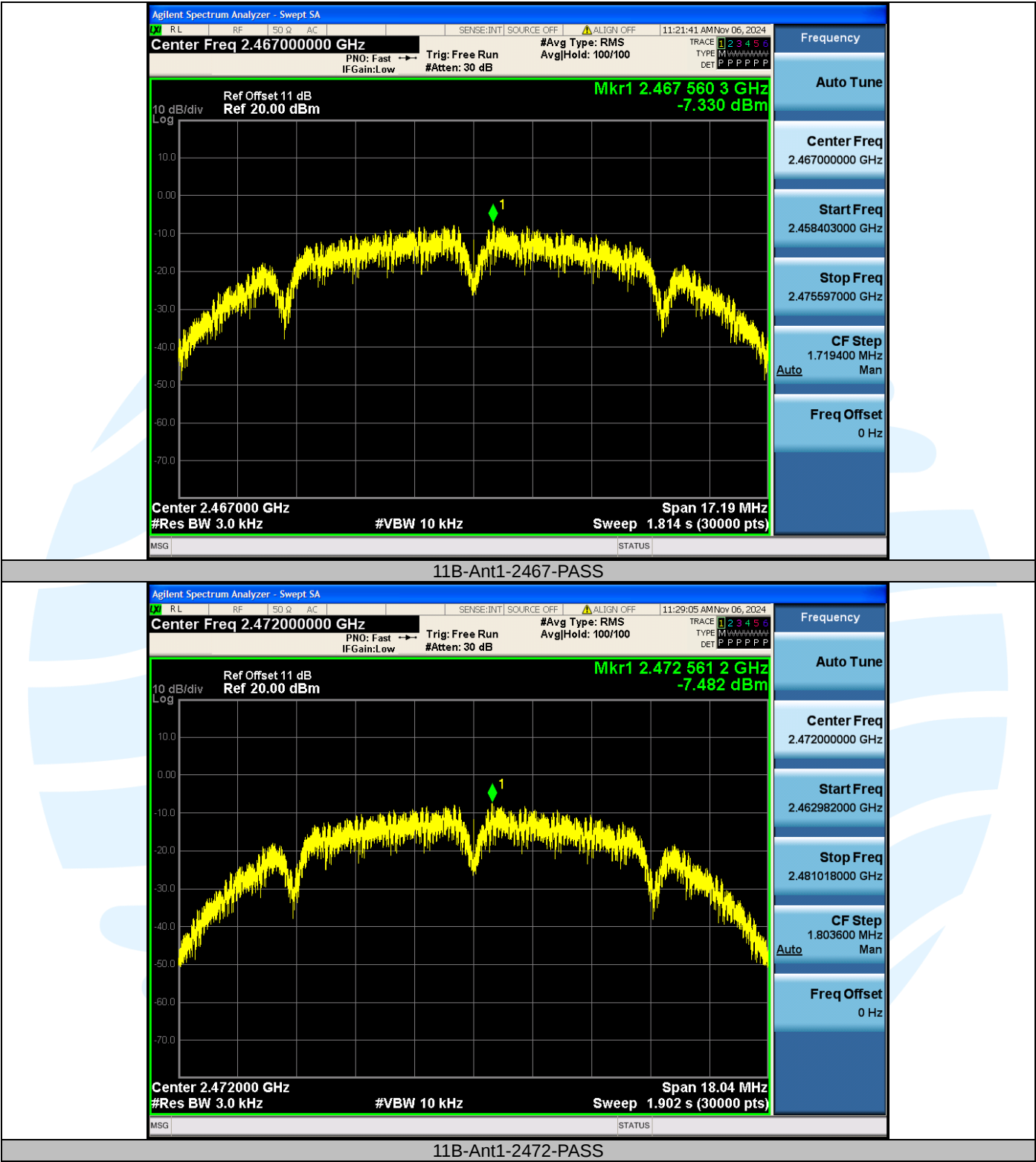
Tel: +86-755-28230888

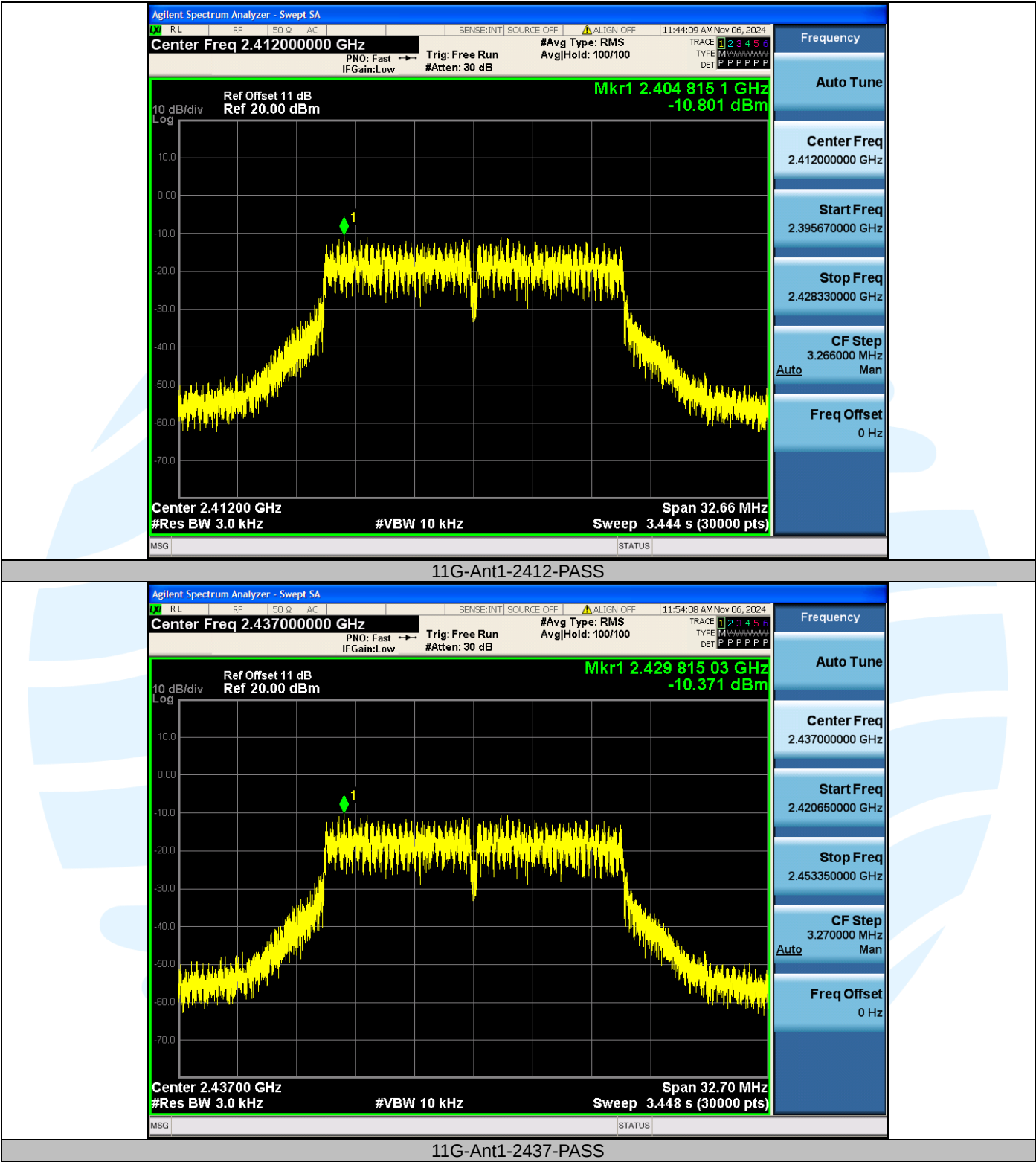
Fax: +86-755-28230886

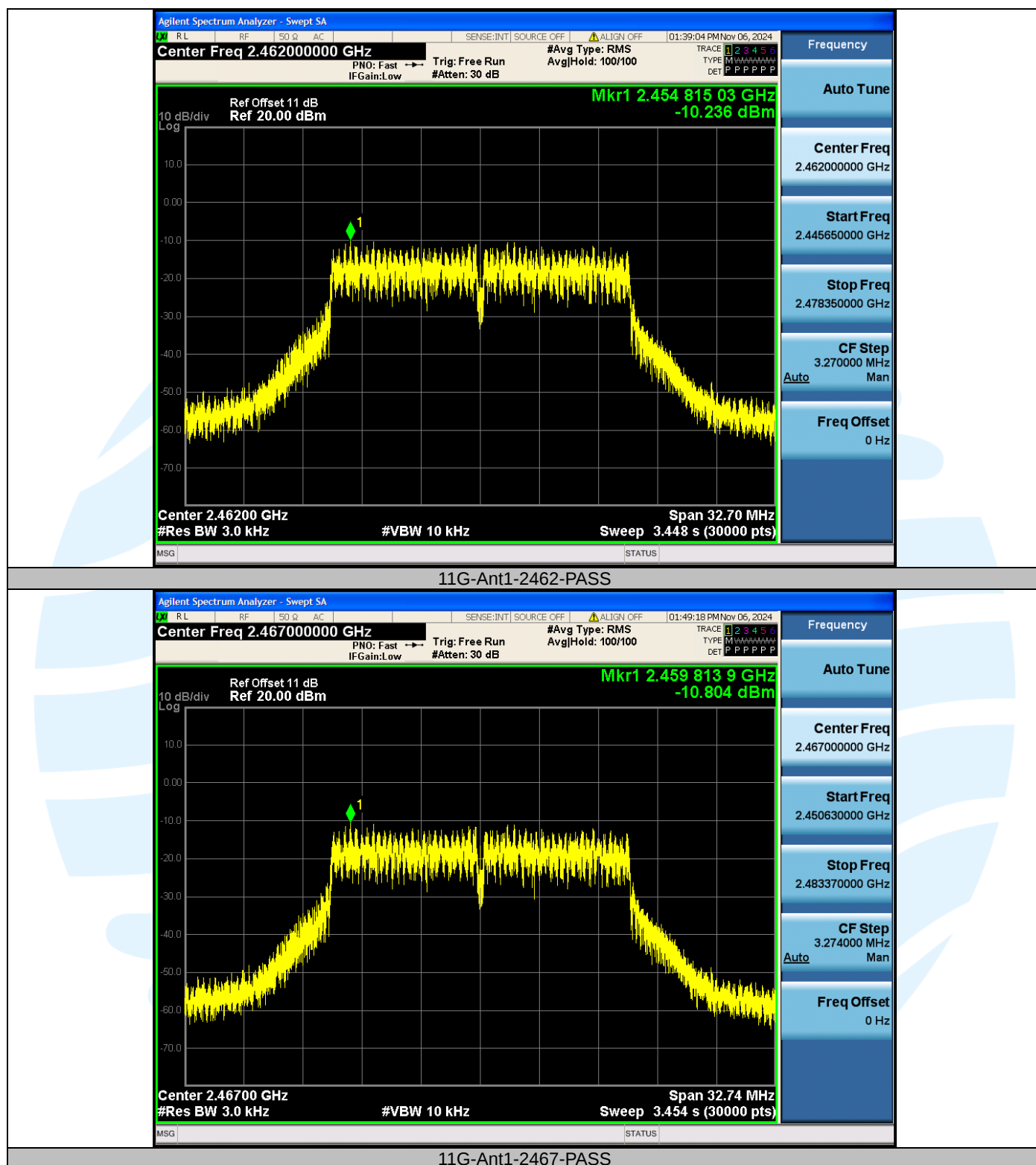
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1







Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

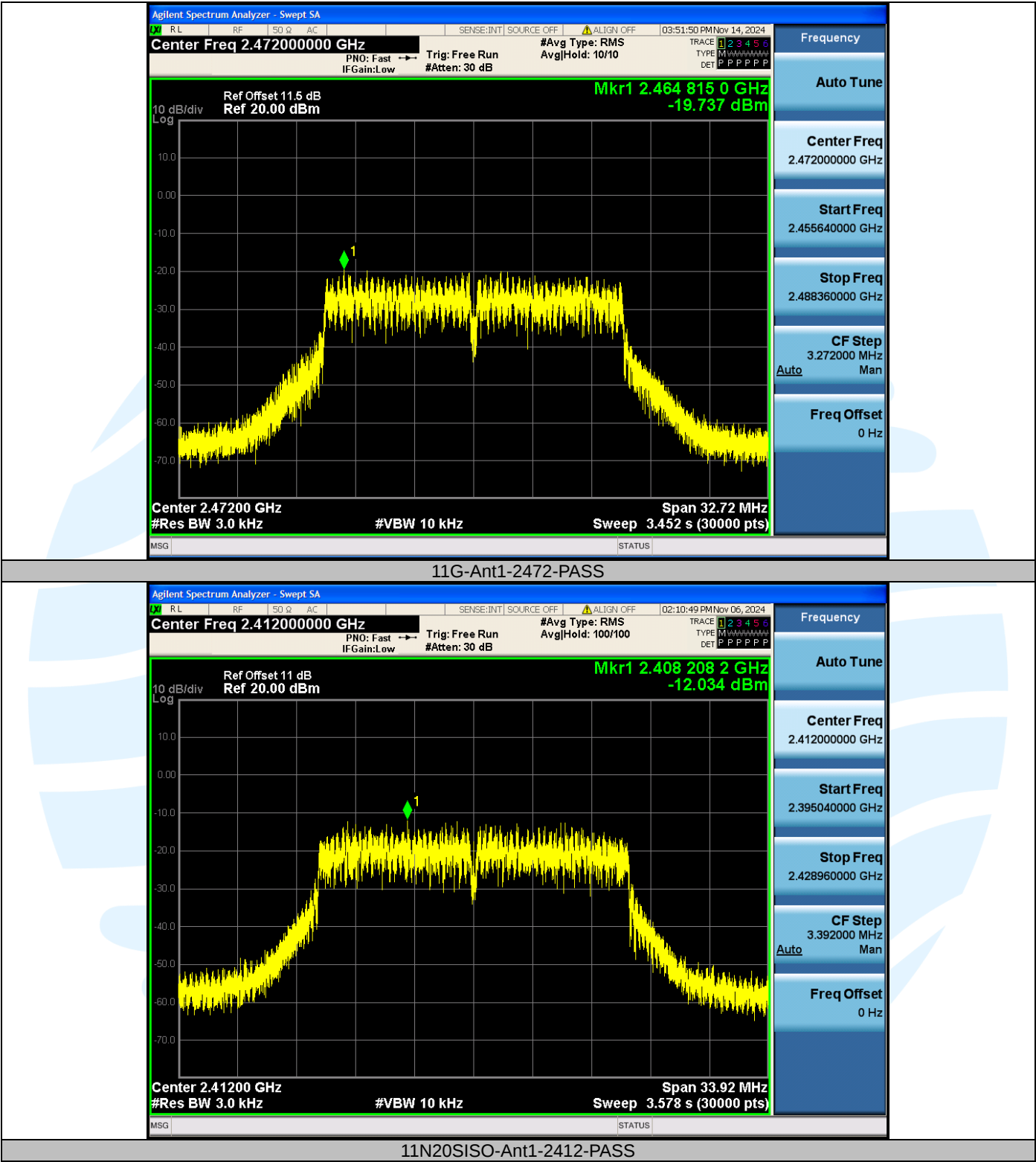
Tel: +86-755-28230888

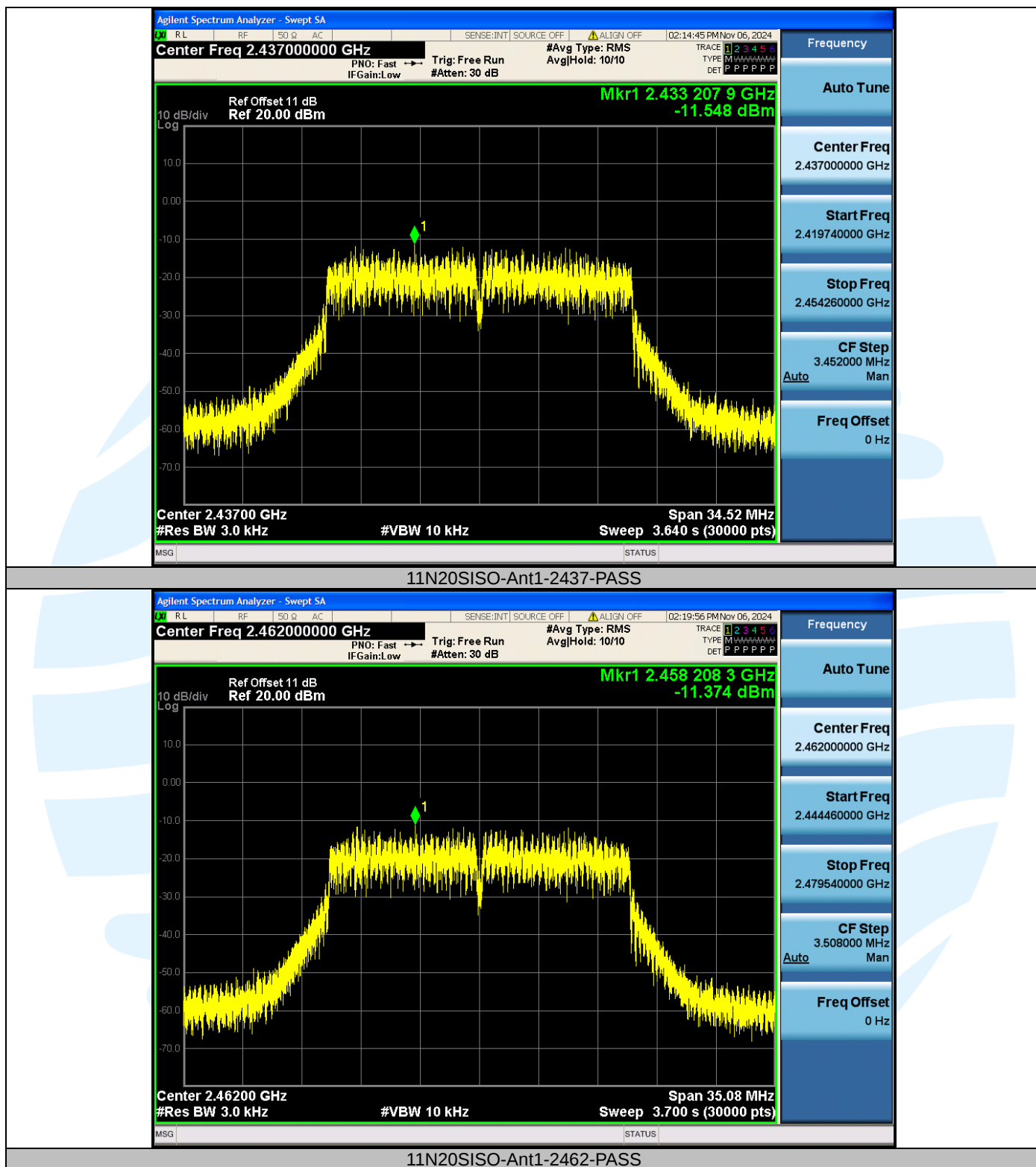
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1





Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

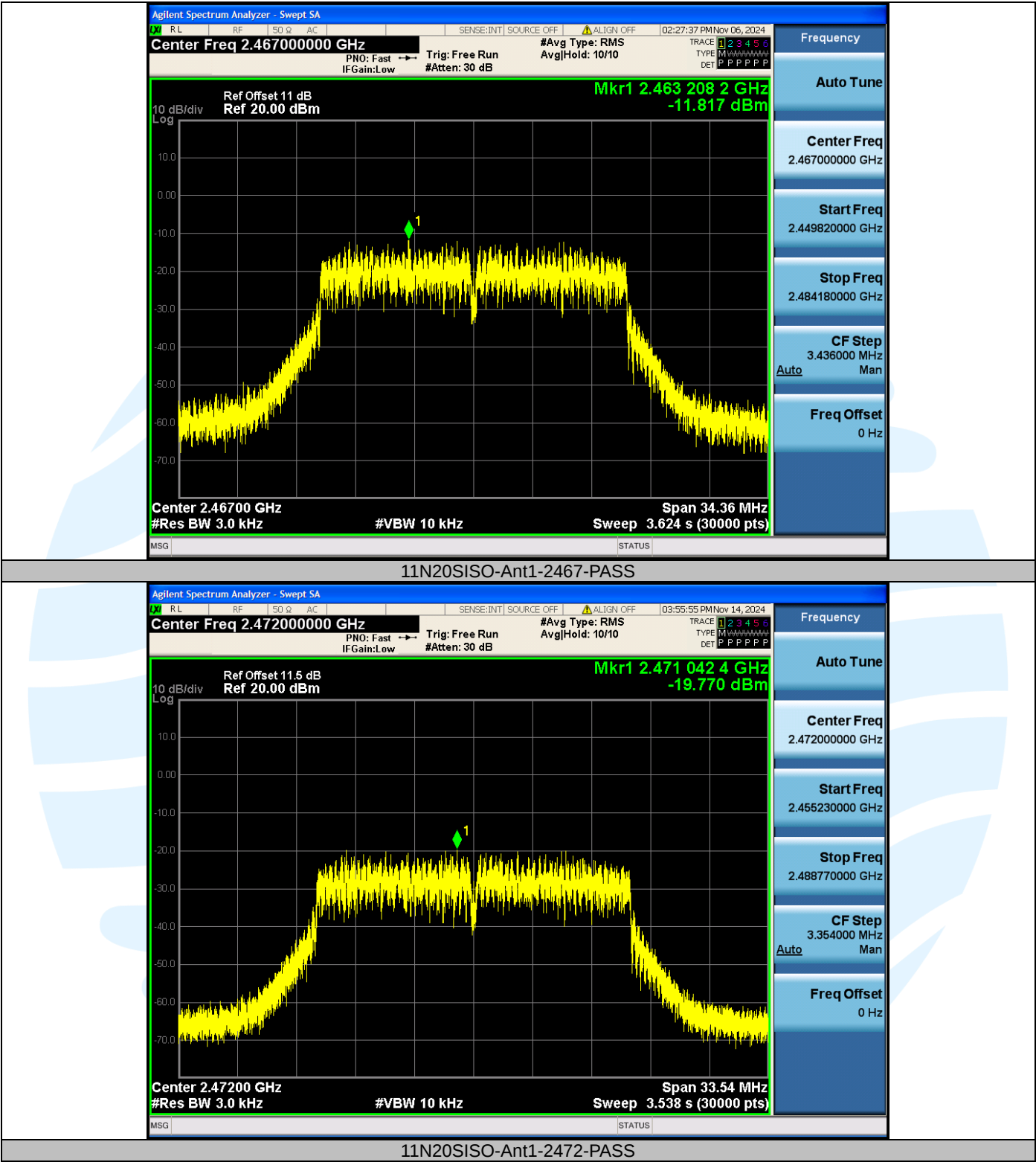
Tel: +86-755-28230888

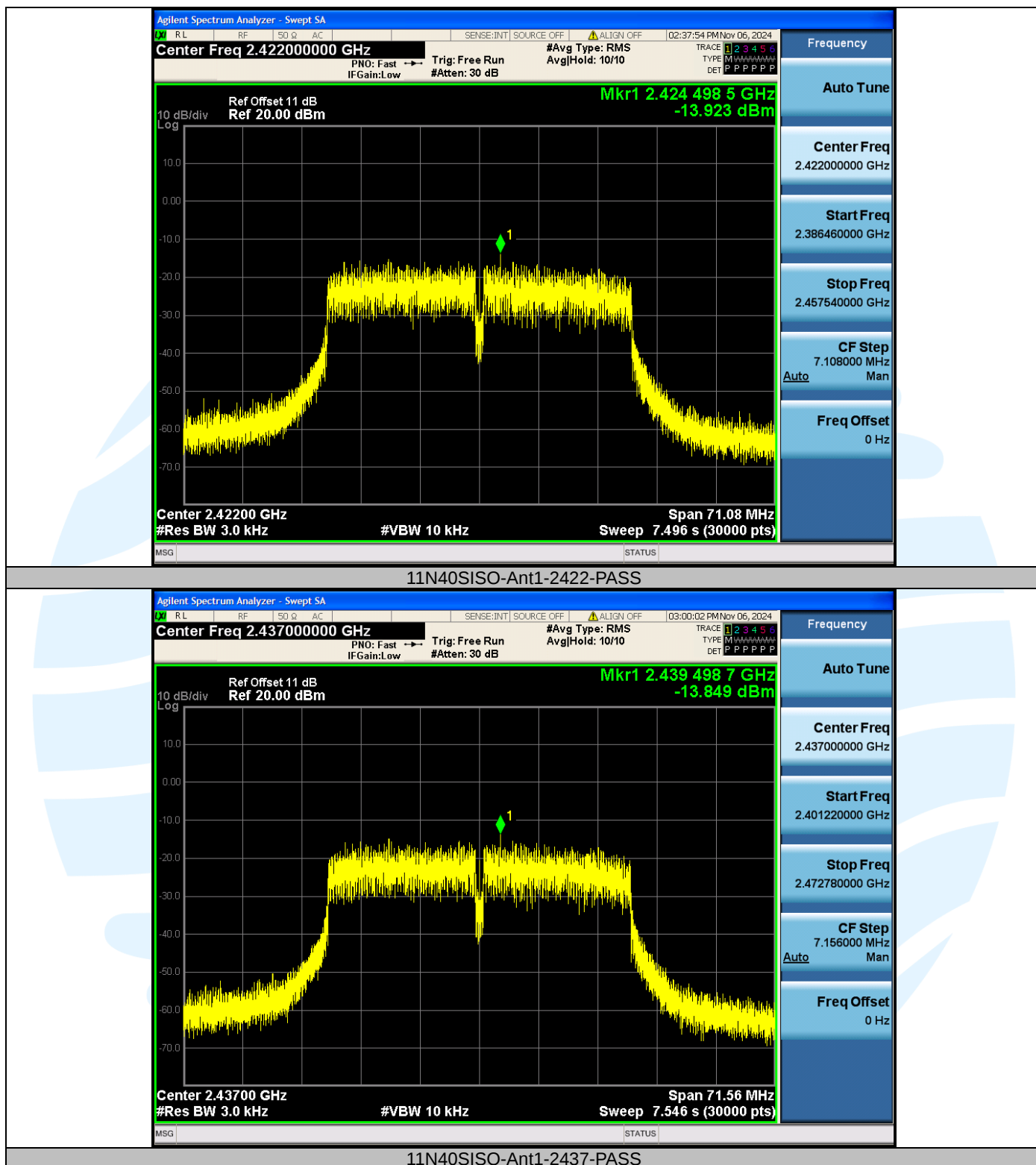
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1





Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

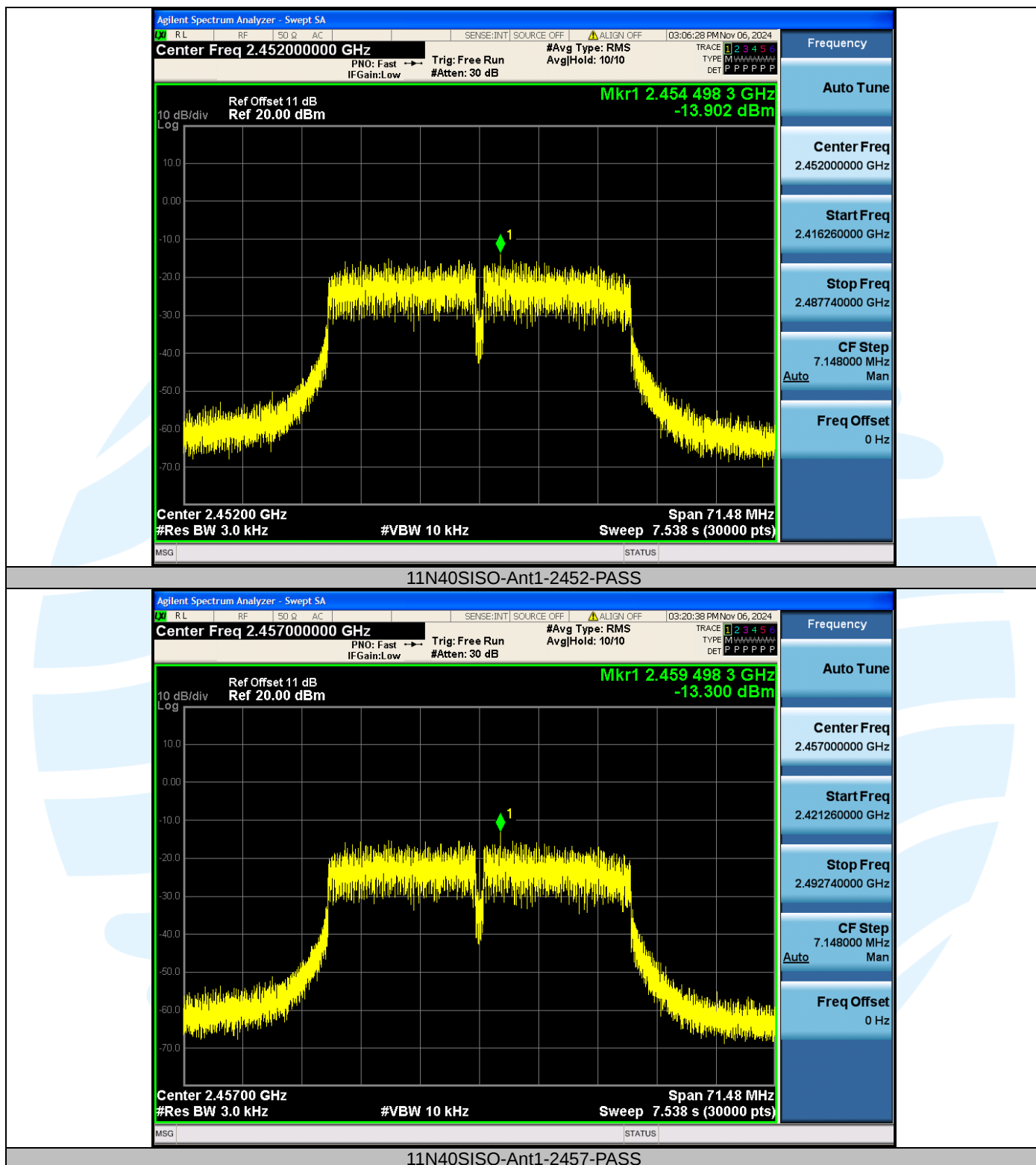
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

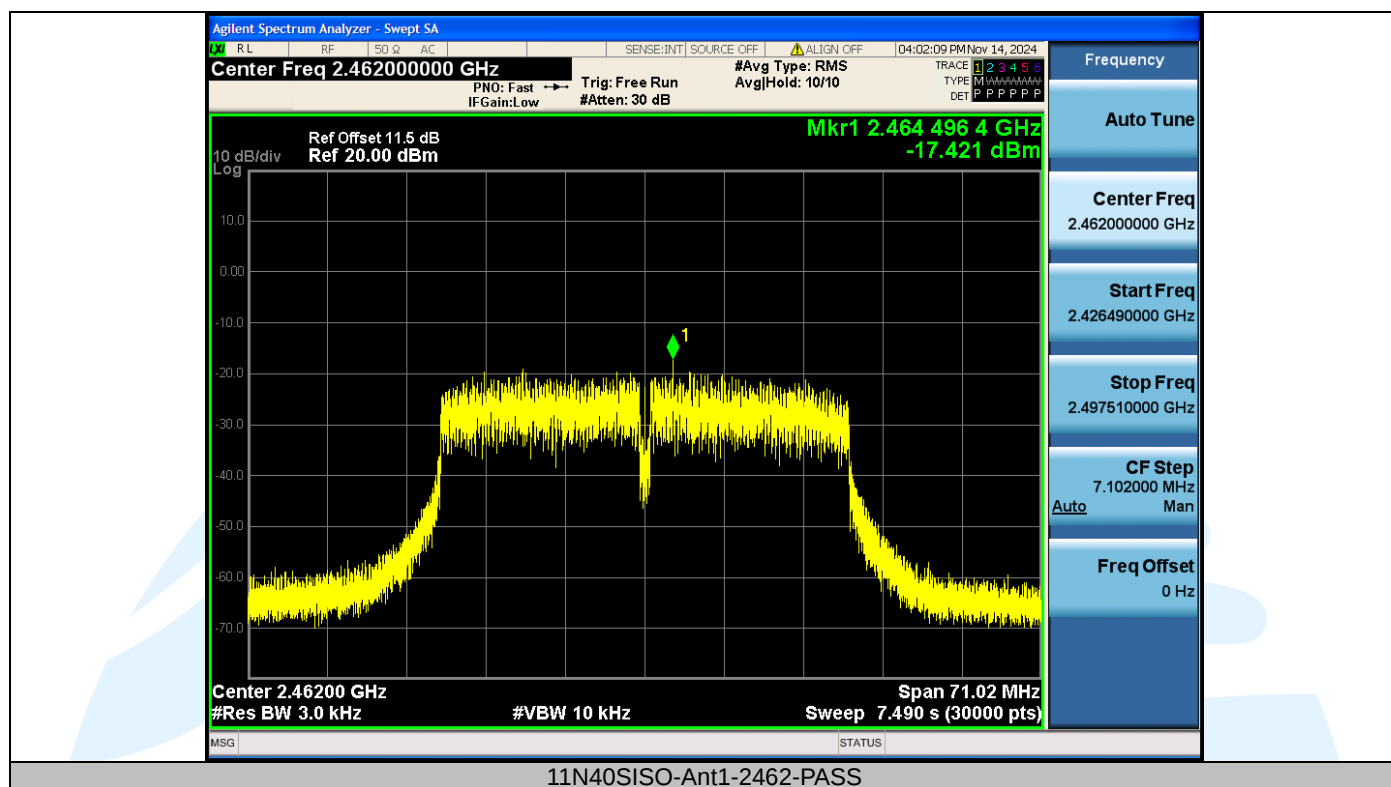
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

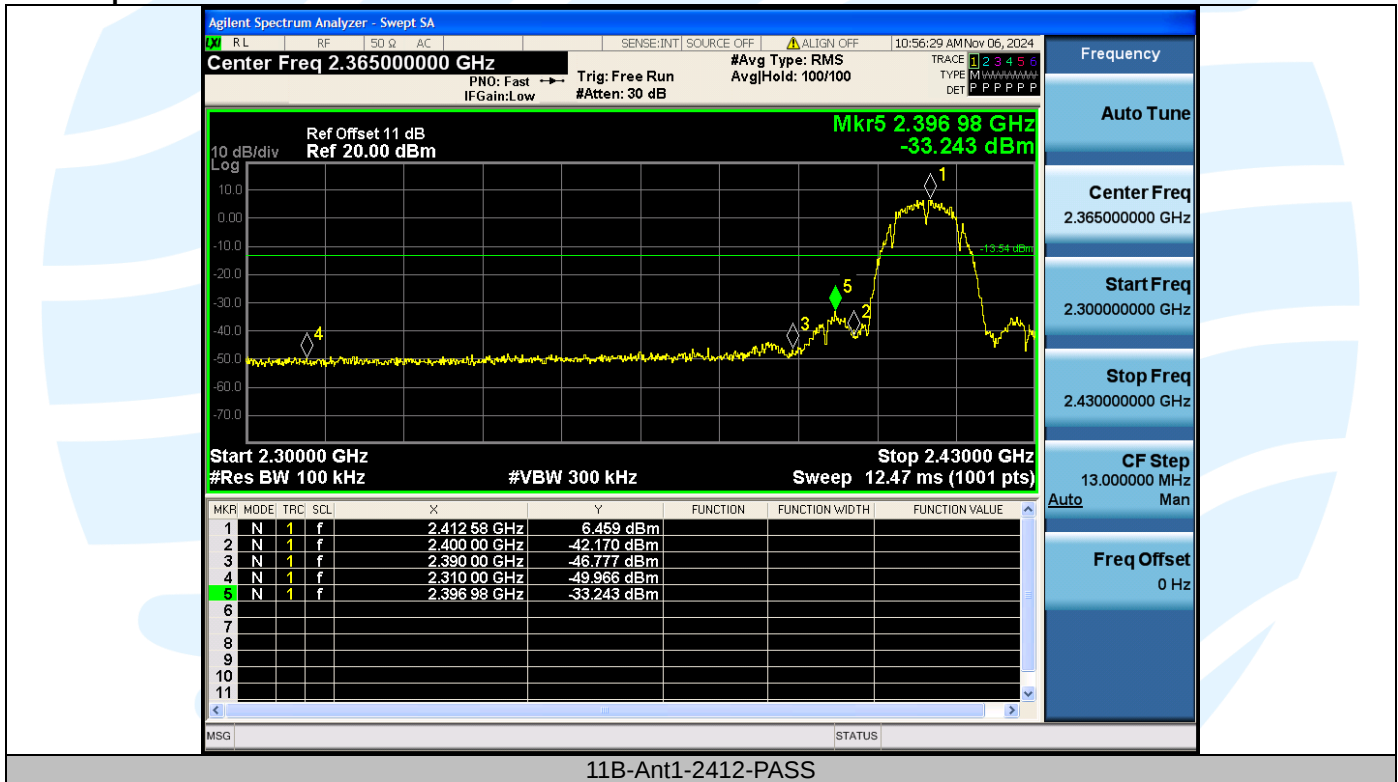
<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1

A.4 OUT OF BAND EMISSION

Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	6.46	-33.24	≤-13.54	PASS
11B	Ant1	High	2462	8.16	-44.64	≤-11.84	PASS
11B	Ant1	High	2467	6.88	-40.31	≤-13.12	PASS
11B	Ant1	High	2472	6.72	-37.9	≤-13.28	PASS
11G	Ant1	Low	2412	3.84	-31.67	≤-16.16	PASS
11G	Ant1	High	2462	4.33	-41.43	≤-15.67	PASS
11G	Ant1	High	2467	3.91	-38.8	≤-16.09	PASS
11G	Ant1	High	2472	-5.62	-40.23	≤-25.62	PASS
11N20SISO	Ant1	Low	2412	2.20	-32.92	≤-17.8	PASS
11N20SISO	Ant1	High	2462	3.00	-41.92	≤-17	PASS
11N20SISO	Ant1	High	2467	2.67	-38.4	≤-17.34	PASS
11N20SISO	Ant1	High	2472	-5.19	-40.41	≤-25.19	PASS
11N40SISO	Ant1	Low	2422	-0.96	-29.69	≤-20.96	PASS
11N40SISO	Ant1	High	2452	-0.56	-40.74	≤-20.56	PASS
11N40SISO	Ant1	High	2457	-0.27	-38.84	≤-20.27	PASS
11N40SISO	Ant1	High	2462	-4.67	-35.48	≤-24.67	PASS

Test Graphs



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

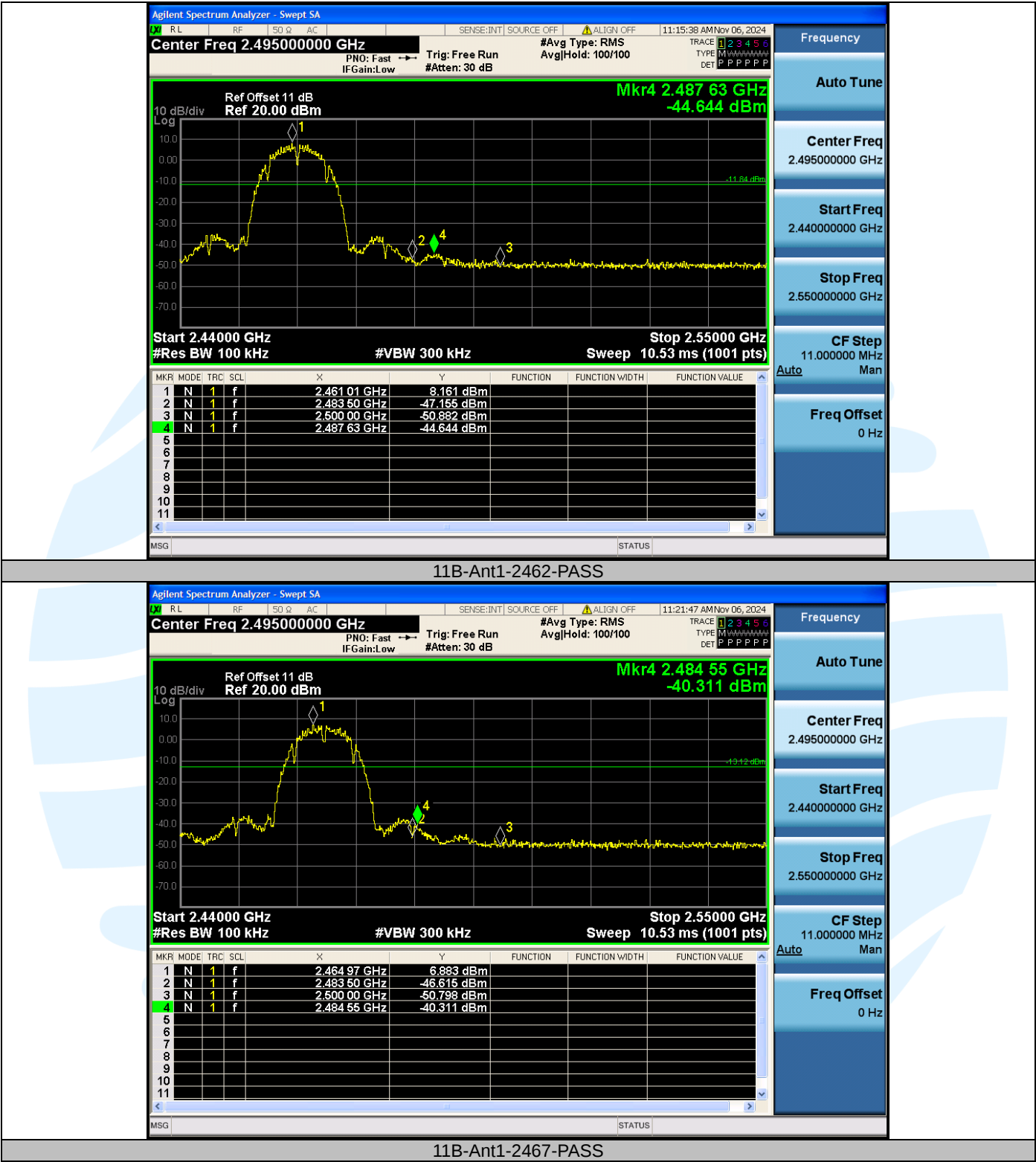
Tel: +86-755-28230888

Fax: +86-755-28230886

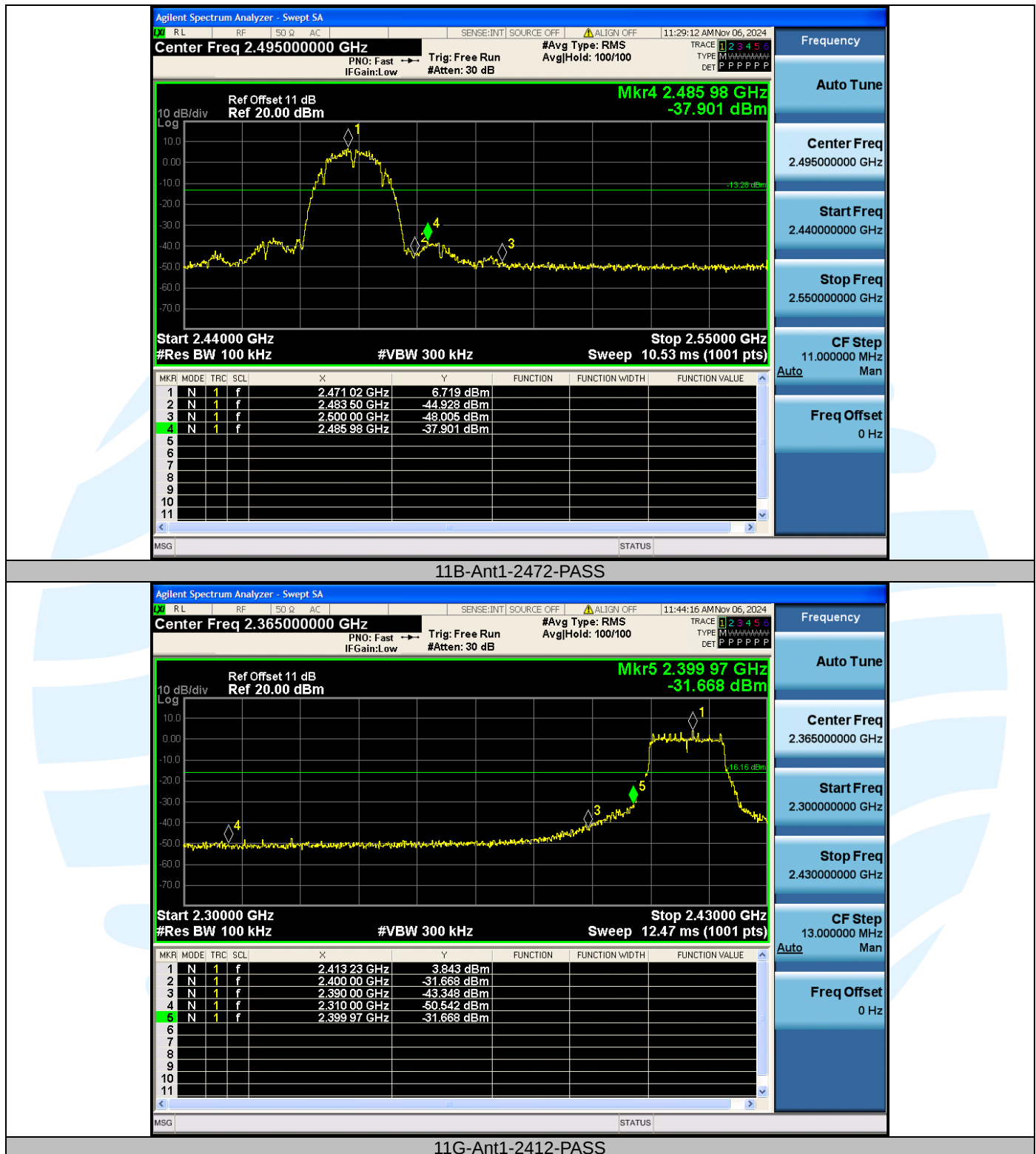
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1



11B-Ant1-2467-PASS

**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

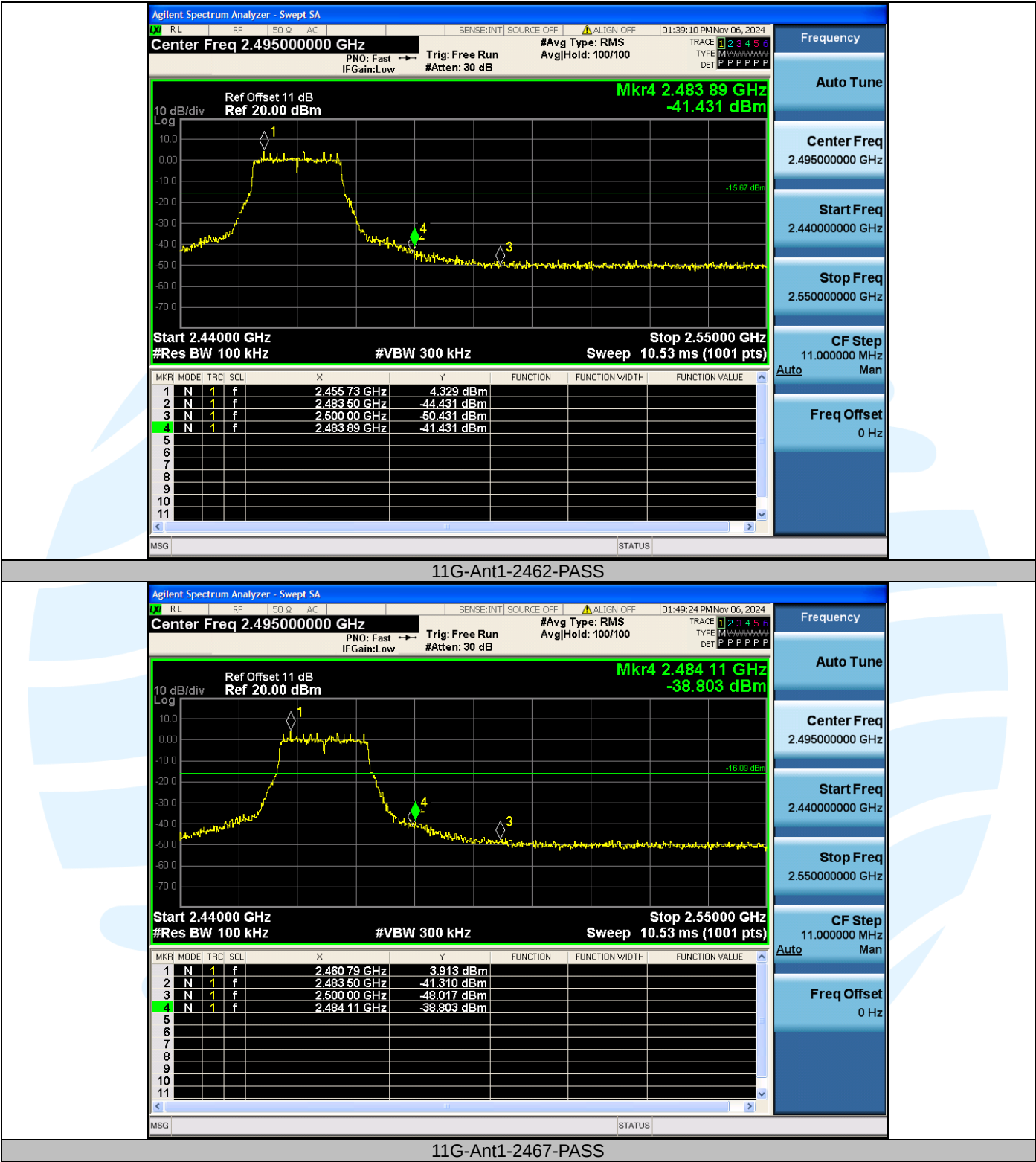
Tel: +86-755-28230888

Fax: +86-755-28230886

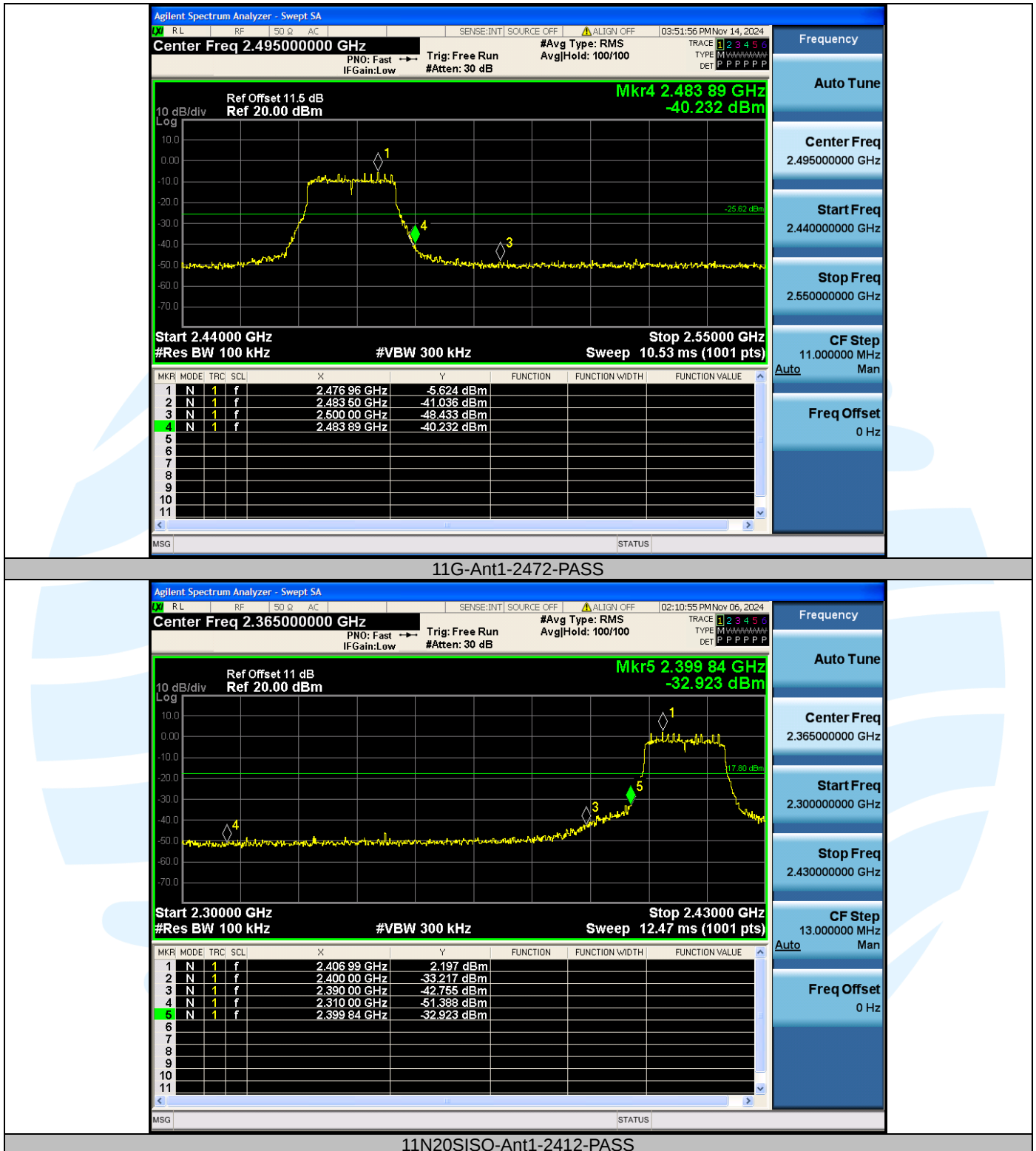
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1



11G-Ant1-2467-PASS



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

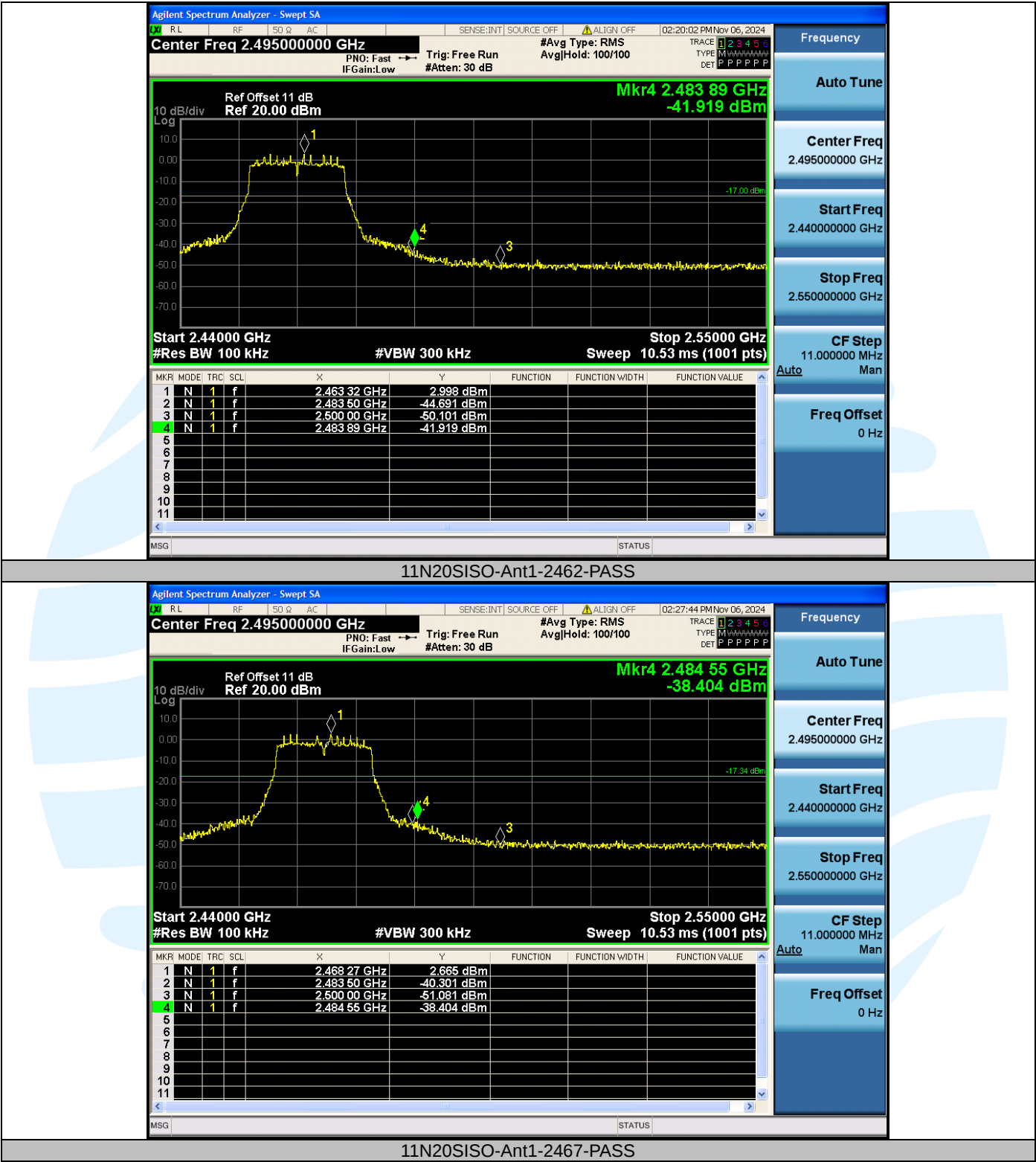
Tel: +86-755-28230888

Fax: +86-755-28230886

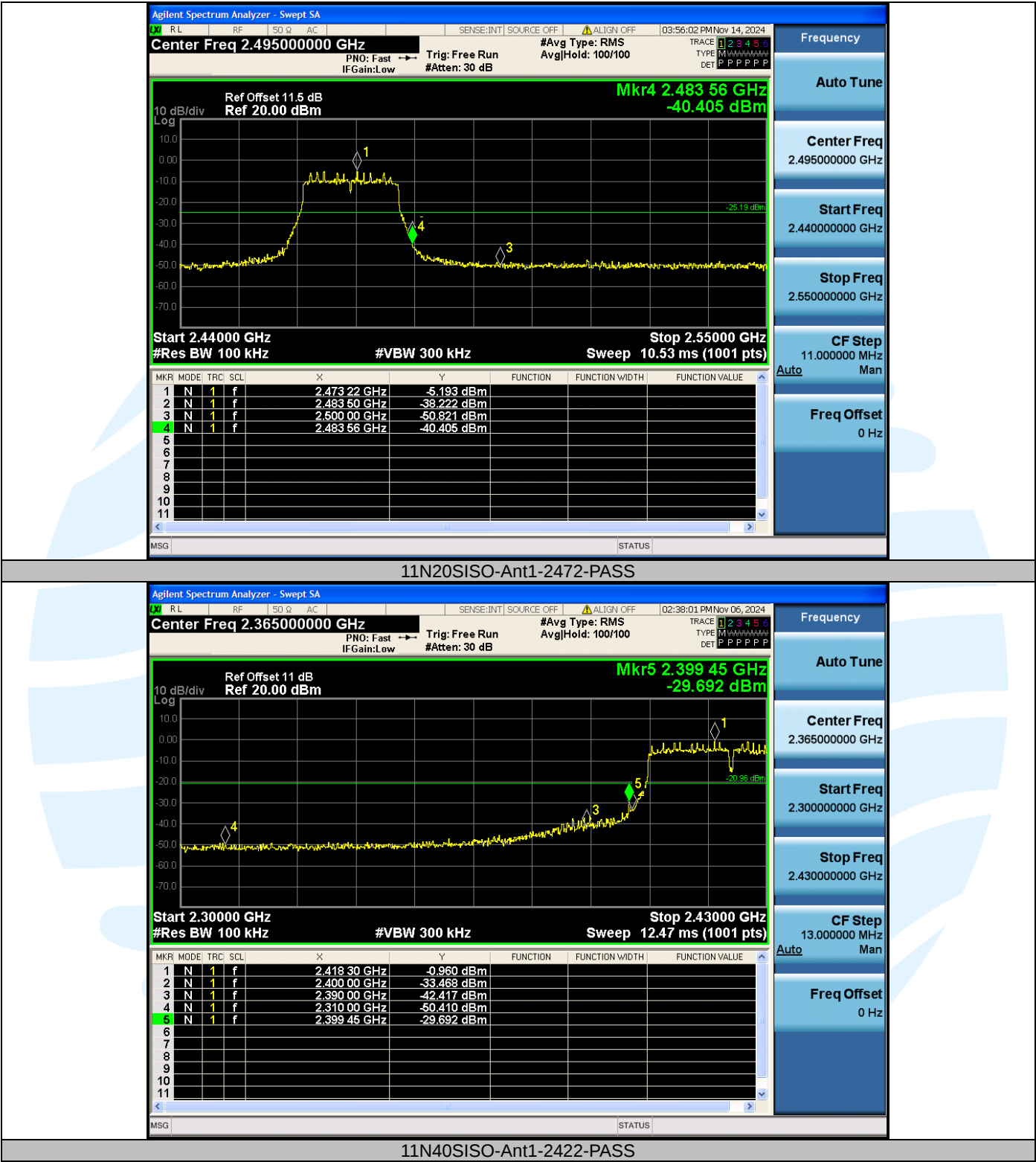
E-mail: info@uttlab.com

<http://www.uttlab.com>

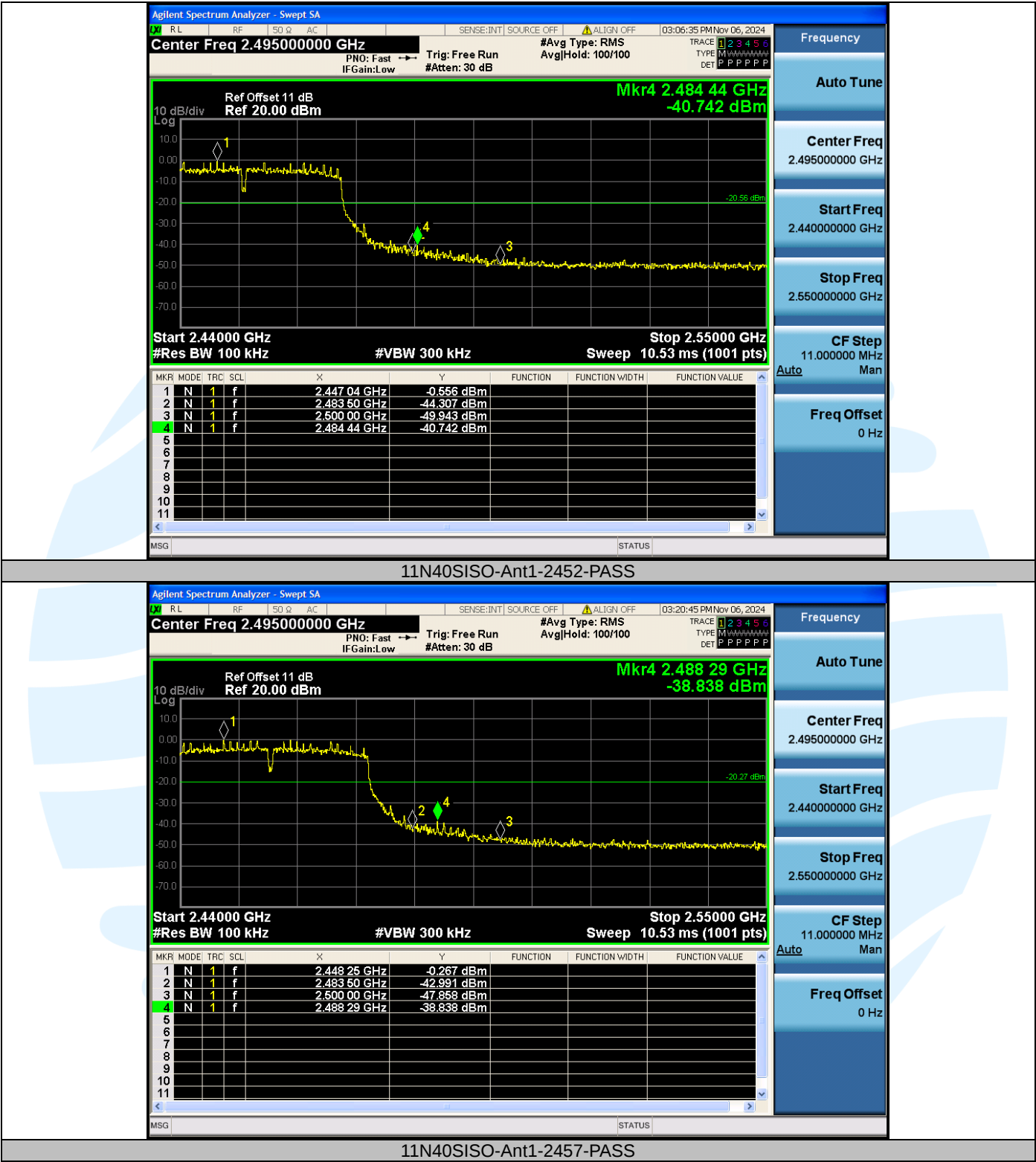
UTTR-RF-FCCPART15.247-V1.1



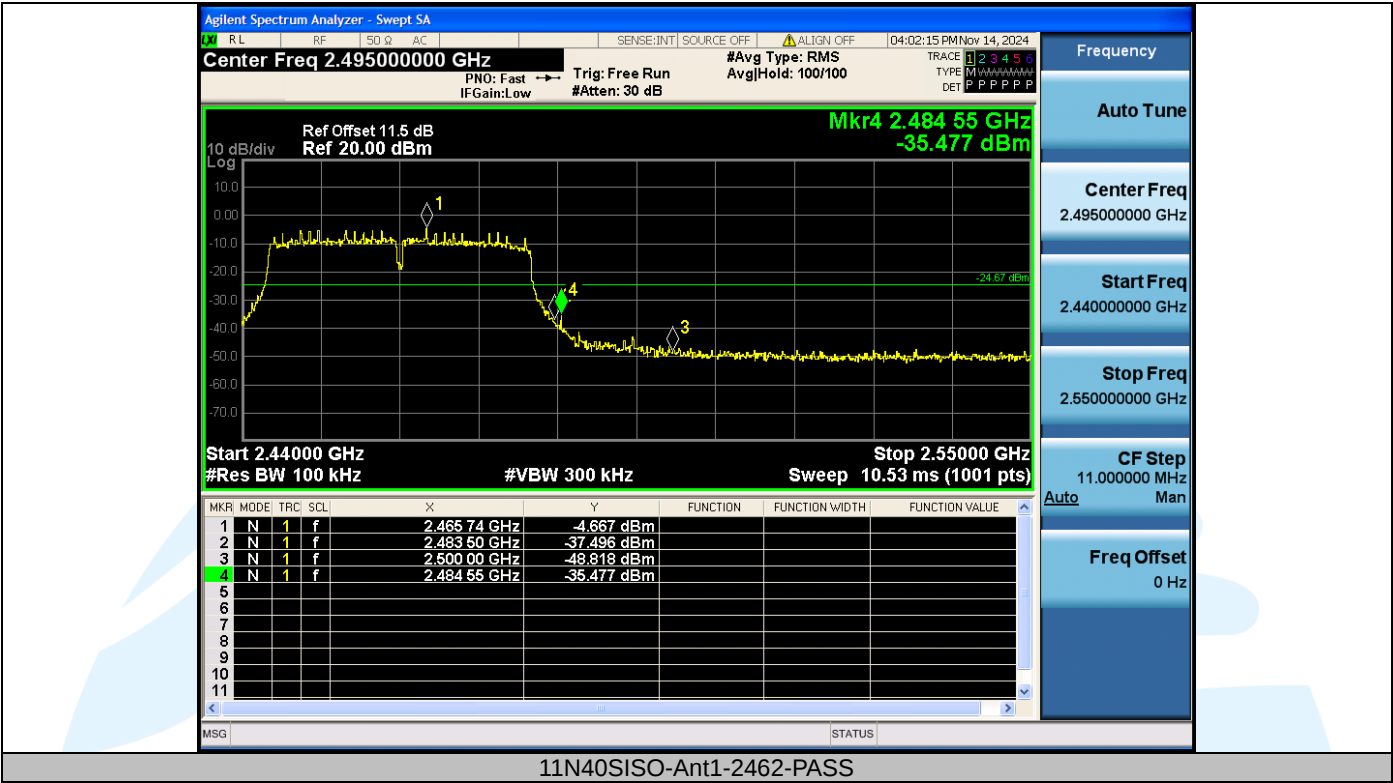
11N20SISO-Ant1-2467-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2457-PASS



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China
Tel: +86-755-28230888 Fax: +86-755-28230886 E-mail: info@uttlab.com <http://www.uttlab.com>
UTTR-RF-FCCPART15.247-V1.1

A.5 CONDUCTED SPURIOUS EMISSION

Test Mode	Antenna	Frequency [MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.58	6.58	---	PASS
11B	Ant1	2412	30~1000	6.58	-58.91	≤-13.42	PASS
11B	Ant1	2412	1000~26500	6.58	-47.71	≤-13.42	PASS
11B	Ant1	2437	0~Reference	6.07	6.07	---	PASS
11B	Ant1	2437	30~1000	6.07	-59.32	≤-13.93	PASS
11B	Ant1	2437	1000~26500	6.07	-47.02	≤-13.93	PASS
11B	Ant1	2462	0~Reference	6.41	6.41	---	PASS
11B	Ant1	2462	30~1000	6.41	-59.15	≤-13.59	PASS
11B	Ant1	2462	1000~26500	6.41	-46.44	≤-13.59	PASS
11B	Ant1	2467	0~Reference	7.51	7.51	---	PASS
11B	Ant1	2467	30~1000	7.51	-58.7	≤-12.49	PASS
11B	Ant1	2467	1000~26500	7.51	-47.67	≤-12.49	PASS
11B	Ant1	2472	0~Reference	7.48	7.48	---	PASS
11B	Ant1	2472	30~1000	7.48	-58.68	≤-12.52	PASS
11B	Ant1	2472	1000~26500	7.48	-47.11	≤-12.52	PASS
11G	Ant1	2412	0~Reference	3.27	3.27	---	PASS
11G	Ant1	2412	30~1000	3.27	-59.4	≤-16.73	PASS
11G	Ant1	2412	1000~26500	3.27	-47.24	≤-16.73	PASS
11G	Ant1	2437	0~Reference	3.43	3.43	---	PASS
11G	Ant1	2437	30~1000	3.43	-59.5	≤-16.57	PASS
11G	Ant1	2437	1000~26500	3.43	-47.72	≤-16.57	PASS
11G	Ant1	2462	0~Reference	2.91	2.91	---	PASS
11G	Ant1	2462	30~1000	2.91	-59.99	≤-17.09	PASS
11G	Ant1	2462	1000~26500	2.91	-47.17	≤-17.09	PASS
11G	Ant1	2467	0~Reference	3.48	3.48	---	PASS
11G	Ant1	2467	30~1000	3.48	-59.07	≤-16.52	PASS
11G	Ant1	2467	1000~26500	3.48	-47.04	≤-16.52	PASS
11G	Ant1	2472	0~Reference	-5.27	-5.27	---	PASS
11G	Ant1	2472	30~1000	-5.27	-59.42	≤-25.27	PASS
11G	Ant1	2472	1000~26500	-5.27	-46.66	≤-25.27	PASS
11N20SISO	Ant1	2412	0~Reference	1.85	1.85	---	PASS
11N20SISO	Ant1	2412	30~1000	1.85	-59.63	≤-18.15	PASS
11N20SISO	Ant1	2412	1000~26500	1.85	-47	≤-18.15	PASS
11N20SISO	Ant1	2437	0~Reference	1.91	1.91	---	PASS
11N20SISO	Ant1	2437	30~1000	1.91	-59.55	≤-18.09	PASS
11N20SISO	Ant1	2437	1000~26500	1.91	-47.18	≤-18.09	PASS
11N20SISO	Ant1	2462	0~Reference	2.54	2.54	---	PASS
11N20SISO	Ant1	2462	30~1000	2.54	-60.02	≤-17.46	PASS
11N20SISO	Ant1	2462	1000~26500	2.54	-47.85	≤-17.46	PASS
11N20SISO	Ant1	2467	0~Reference	1.59	1.59	---	PASS
11N20SISO	Ant1	2467	30~1000	1.59	-59.77	≤-18.41	PASS
11N20SISO	Ant1	2467	1000~26500	1.59	-46.88	≤-18.41	PASS
11N20SISO	Ant1	2472	0~Reference	-5.45	-5.45	---	PASS
11N20SISO	Ant1	2472	30~1000	-5.45	-59.18	≤-25.45	PASS
11N20SISO	Ant1	2472	1000~26500	-5.45	-47.27	≤-25.45	PASS
11N40SISO	Ant1	2422	0~Reference	-1.54	-1.54	---	PASS
11N40SISO	Ant1	2422	30~1000	-1.54	-57.77	≤-21.54	PASS
11N40SISO	Ant1	2422	1000~26500	-1.54	-46.66	≤-21.54	PASS
11N40SISO	Ant1	2437	0~Reference	-0.84	-0.84	---	PASS
11N40SISO	Ant1	2437	30~1000	-0.84	-57.42	≤-20.84	PASS
11N40SISO	Ant1	2437	1000~26500	-0.84	-47.36	≤-20.84	PASS
11N40SISO	Ant1	2452	0~Reference	-0.89	-0.89	---	PASS
11N40SISO	Ant1	2452	30~1000	-0.89	-55.65	≤-20.89	PASS
11N40SISO	Ant1	2452	1000~26500	-0.89	-47.42	≤-20.89	PASS
11N40SISO	Ant1	2457	0~Reference	-1.53	-1.53	---	PASS
11N40SISO	Ant1	2457	30~1000	-1.53	-54.12	≤-21.53	PASS
11N40SISO	Ant1	2457	1000~26500	-1.53	-46.83	≤-21.53	PASS
11N40SISO	Ant1	2462	0~Reference	-5.78	-5.78	---	PASS
11N40SISO	Ant1	2462	30~1000	-5.78	-58.66	≤-25.78	PASS
11N40SISO	Ant1	2462	1000~26500	-5.78	-46.41	≤-25.78	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

Tel: +86-755-28230888

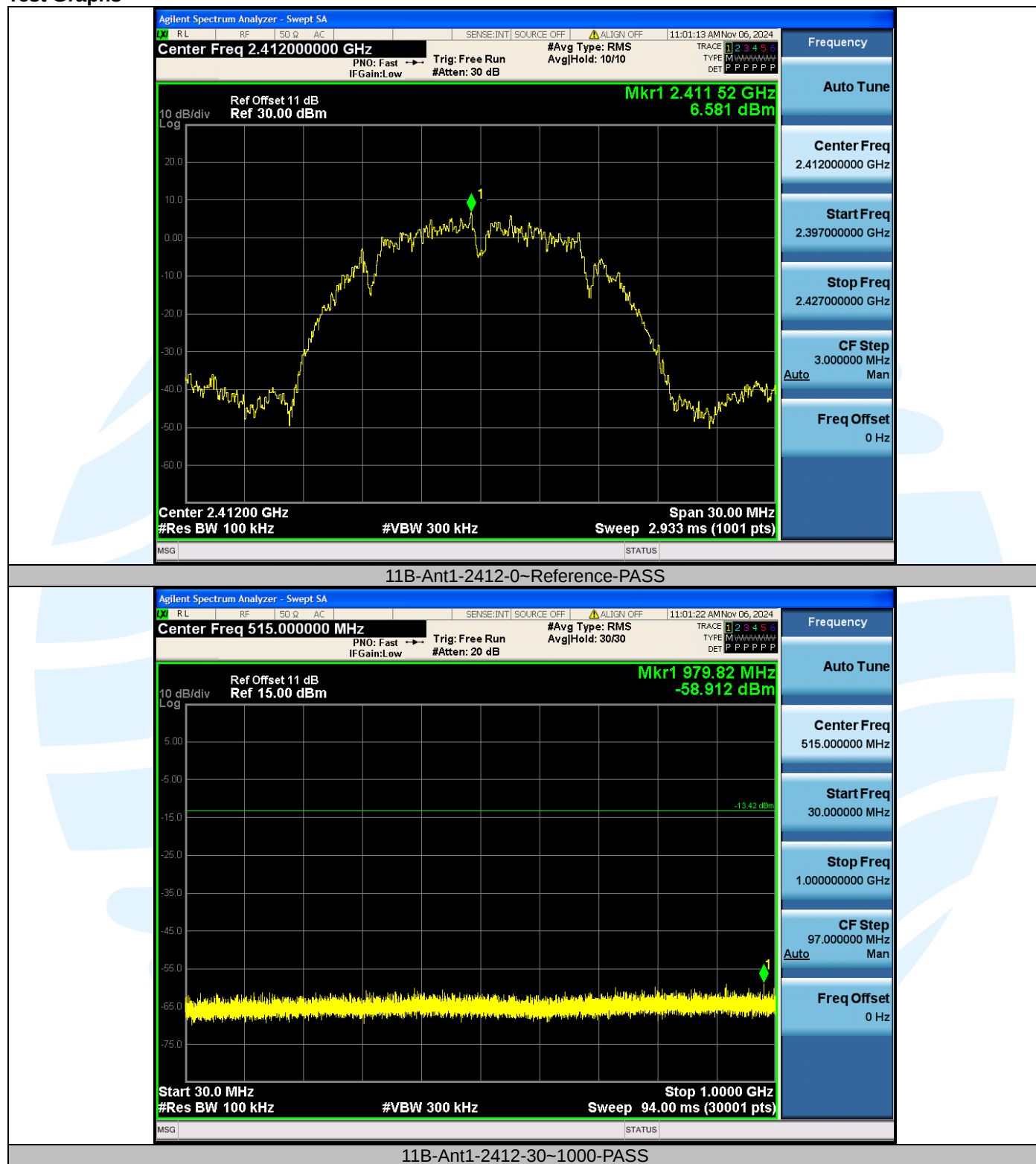
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1

Test Graphs



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

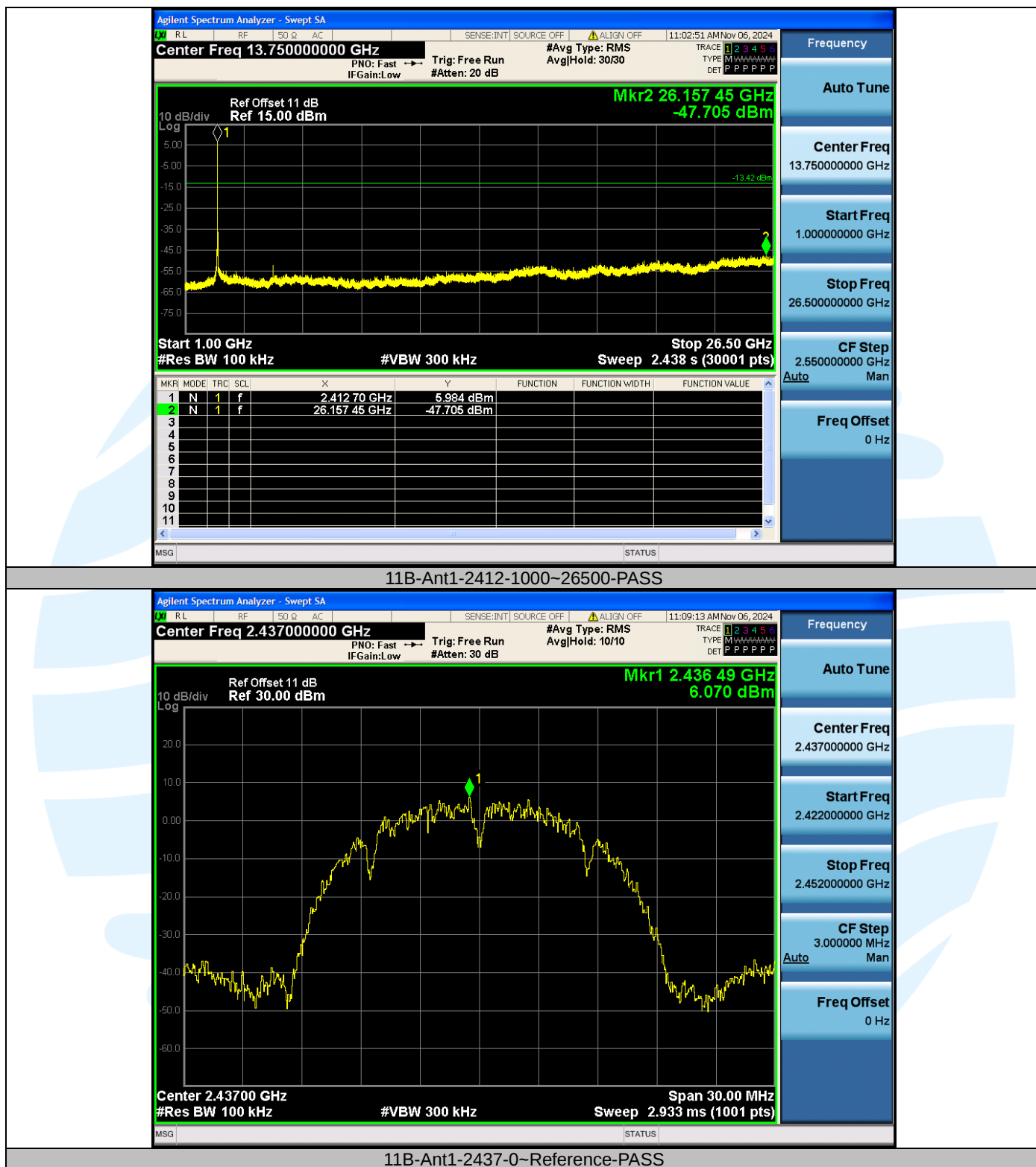
Tel: +86-755-28230888

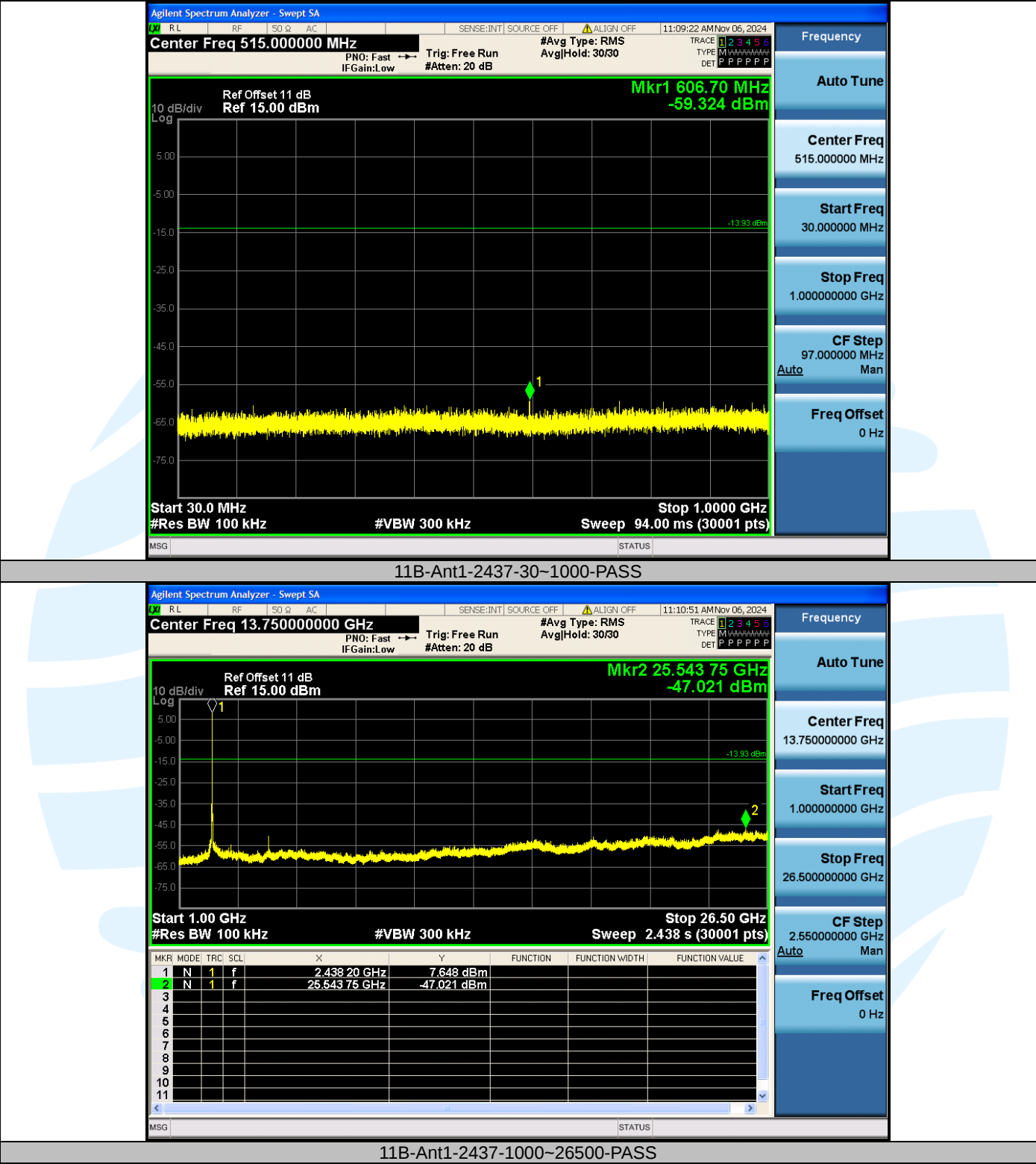
Fax: +86-755-28230886

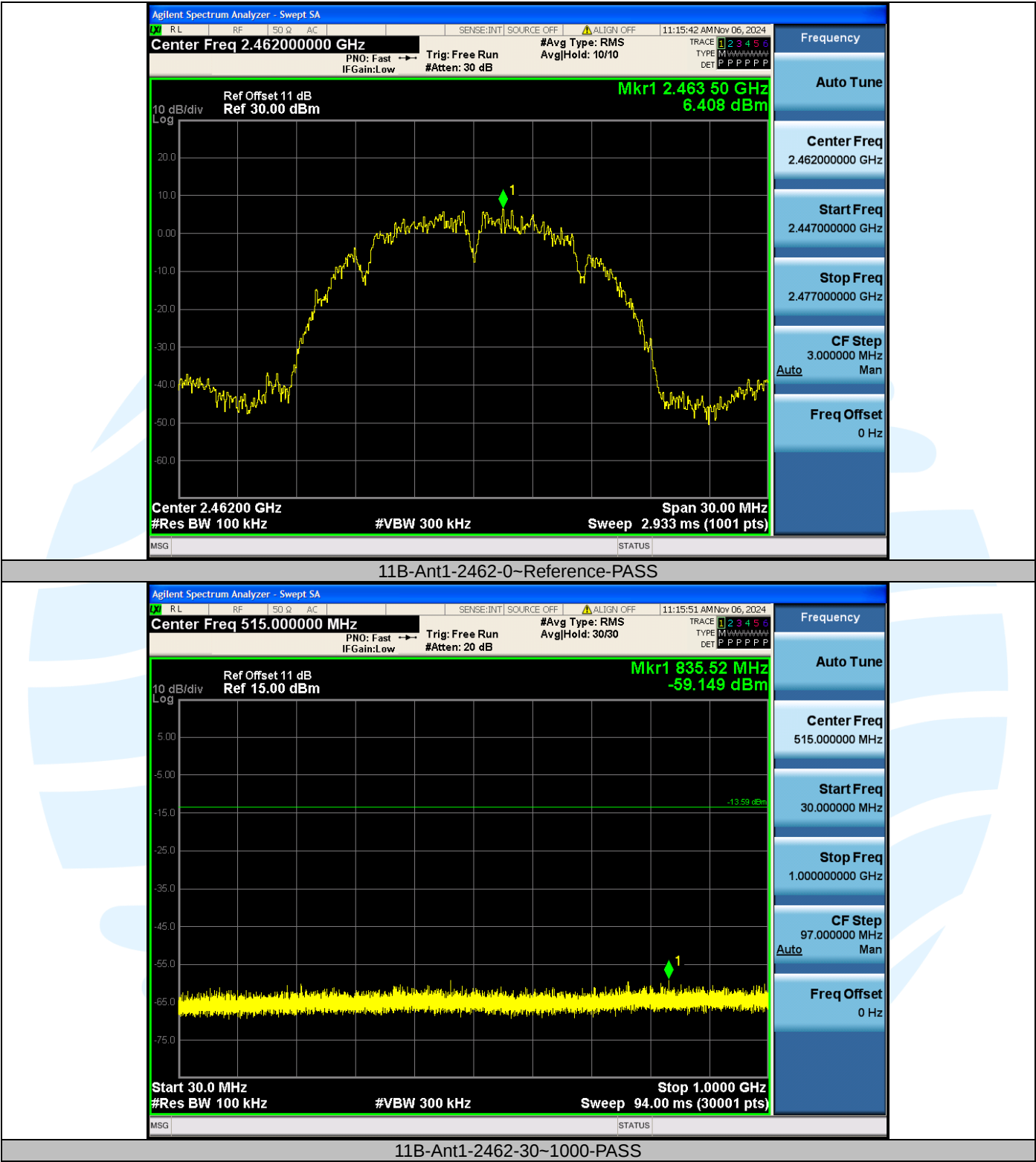
E-mail: info@uttlab.com

<http://www.uttlab.com>

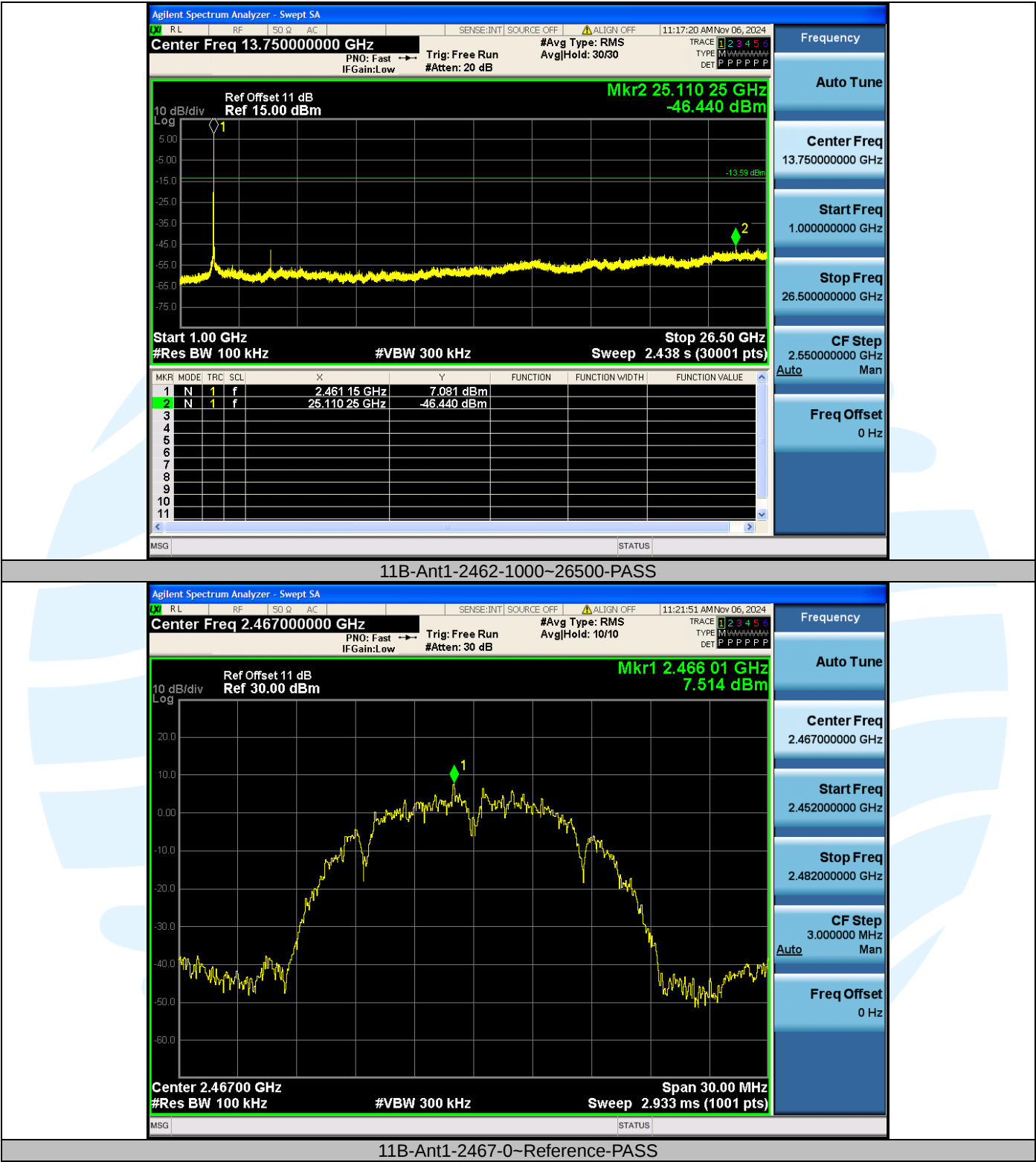
UTTR-RF-FCCPART15.247-V1.1

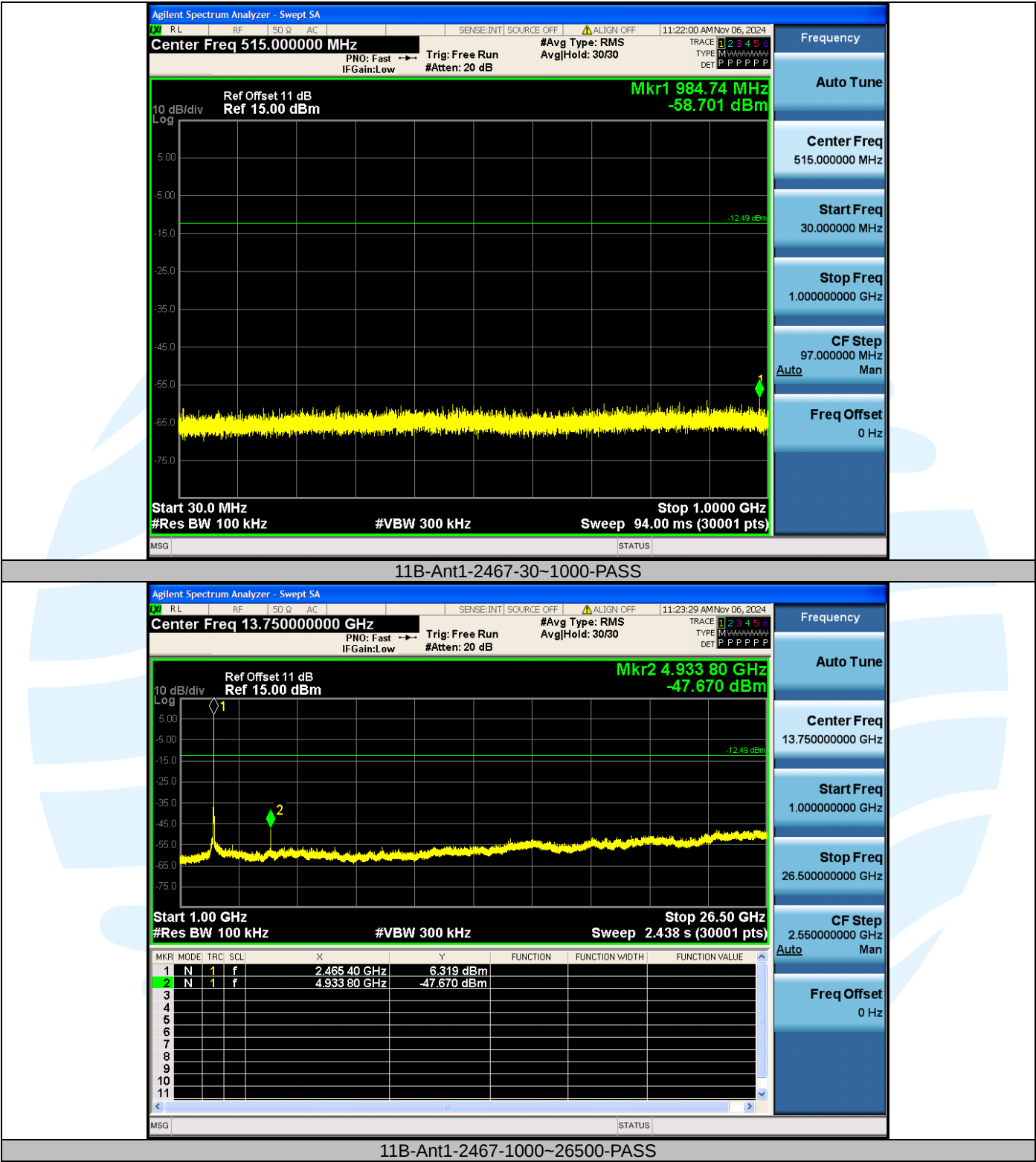


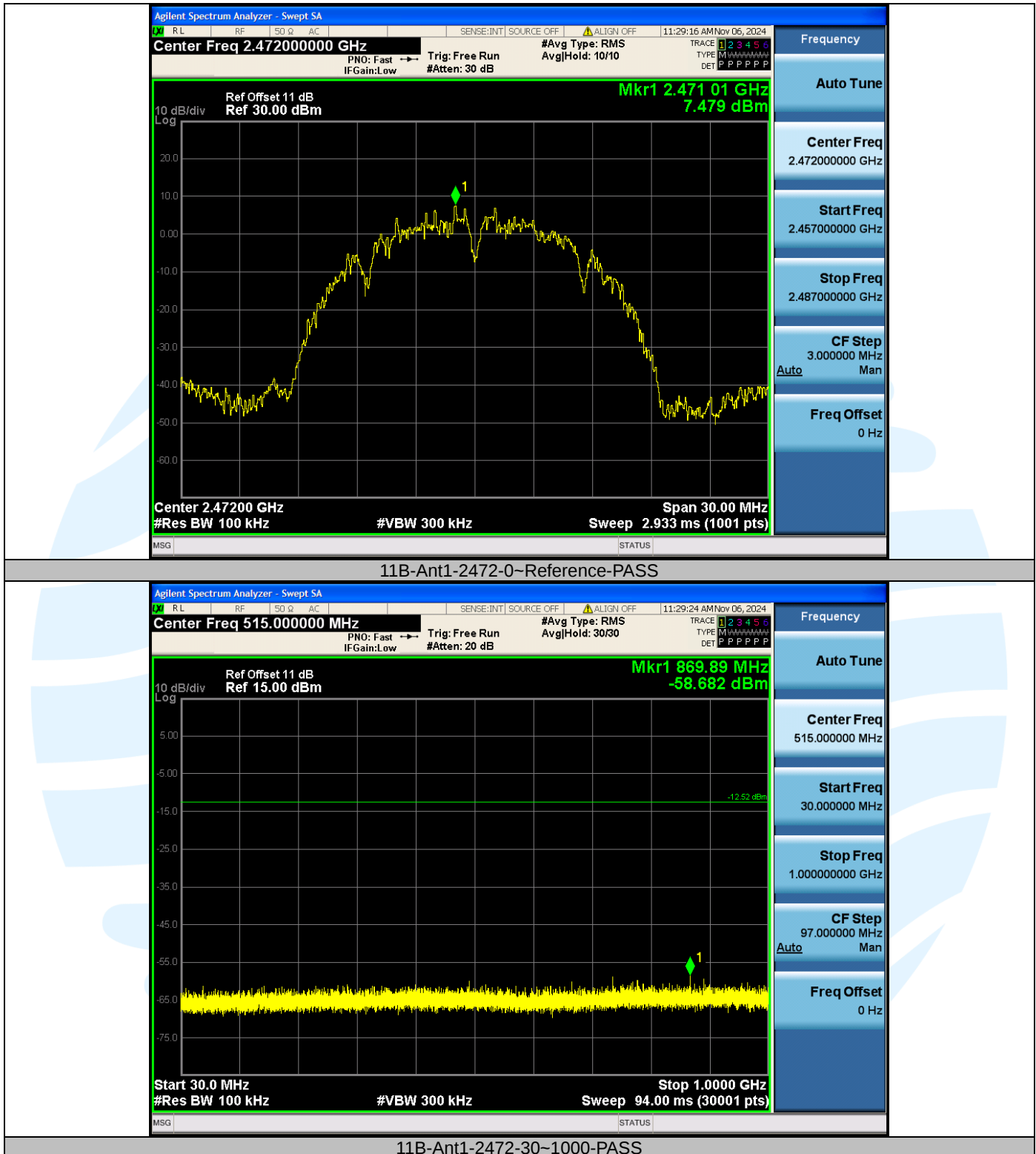




11B-Ant1-2462-30~1000-PASS





**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

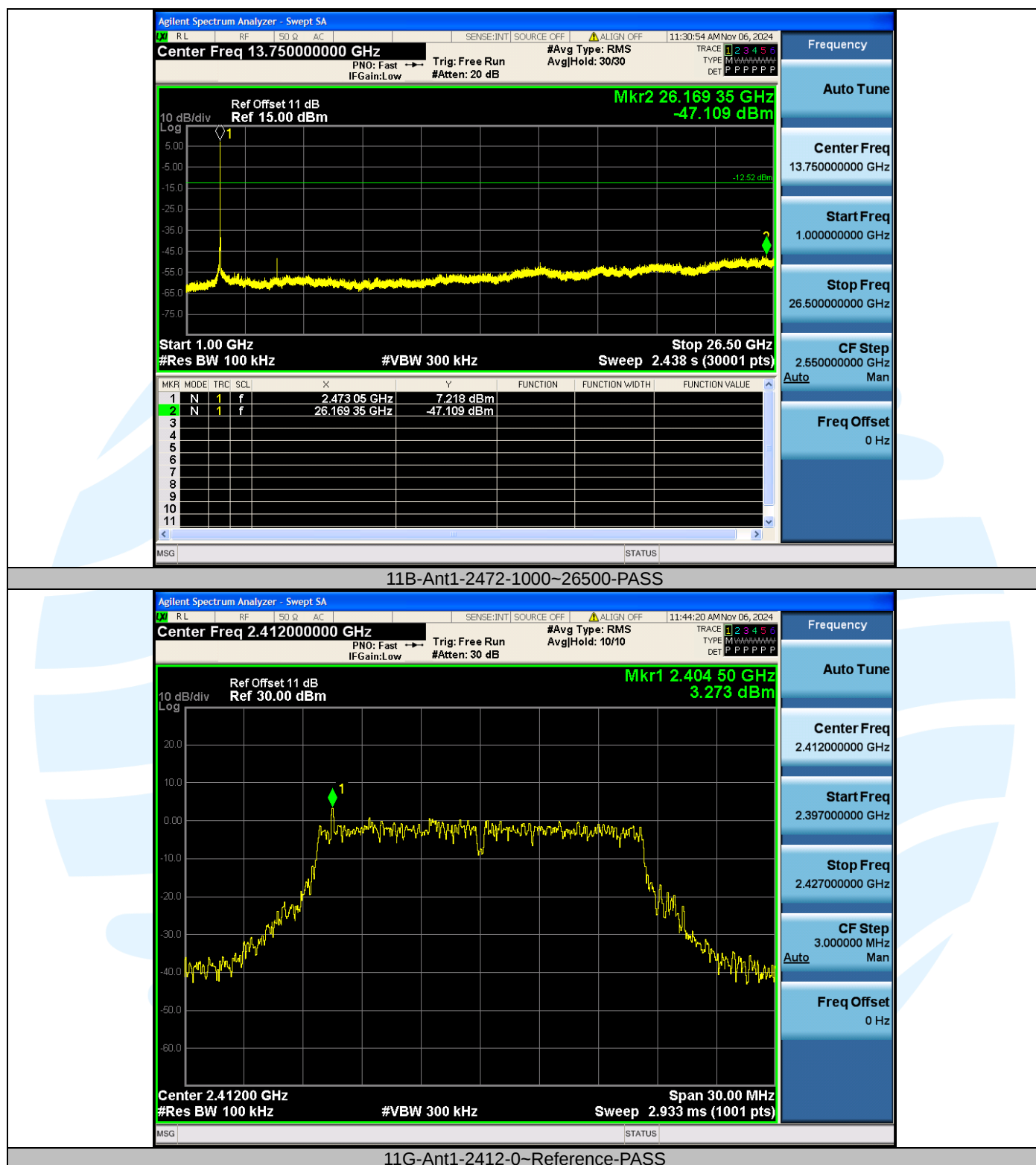
Tel: +86-755-28230886

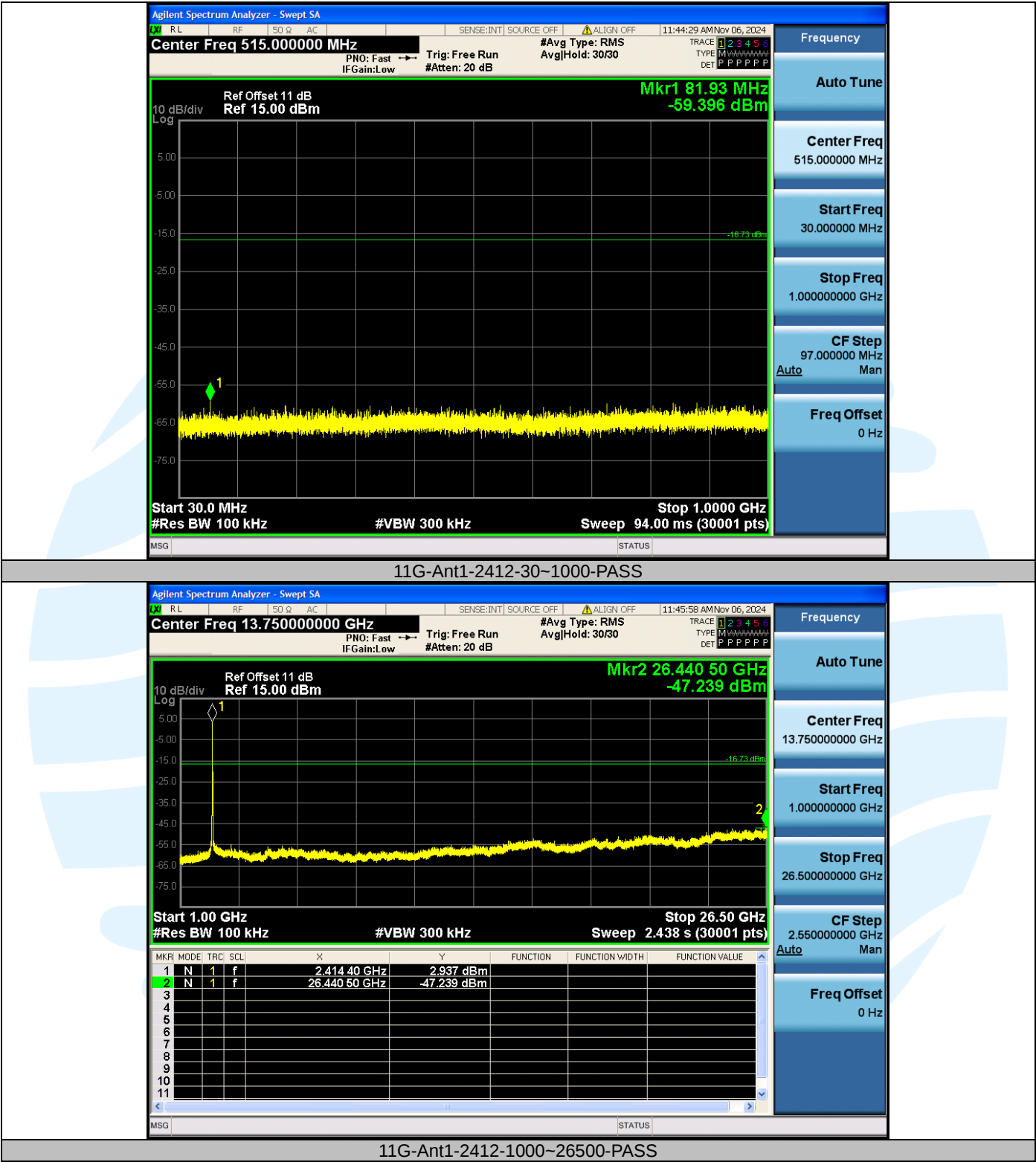
Fax: +86-755-28230886

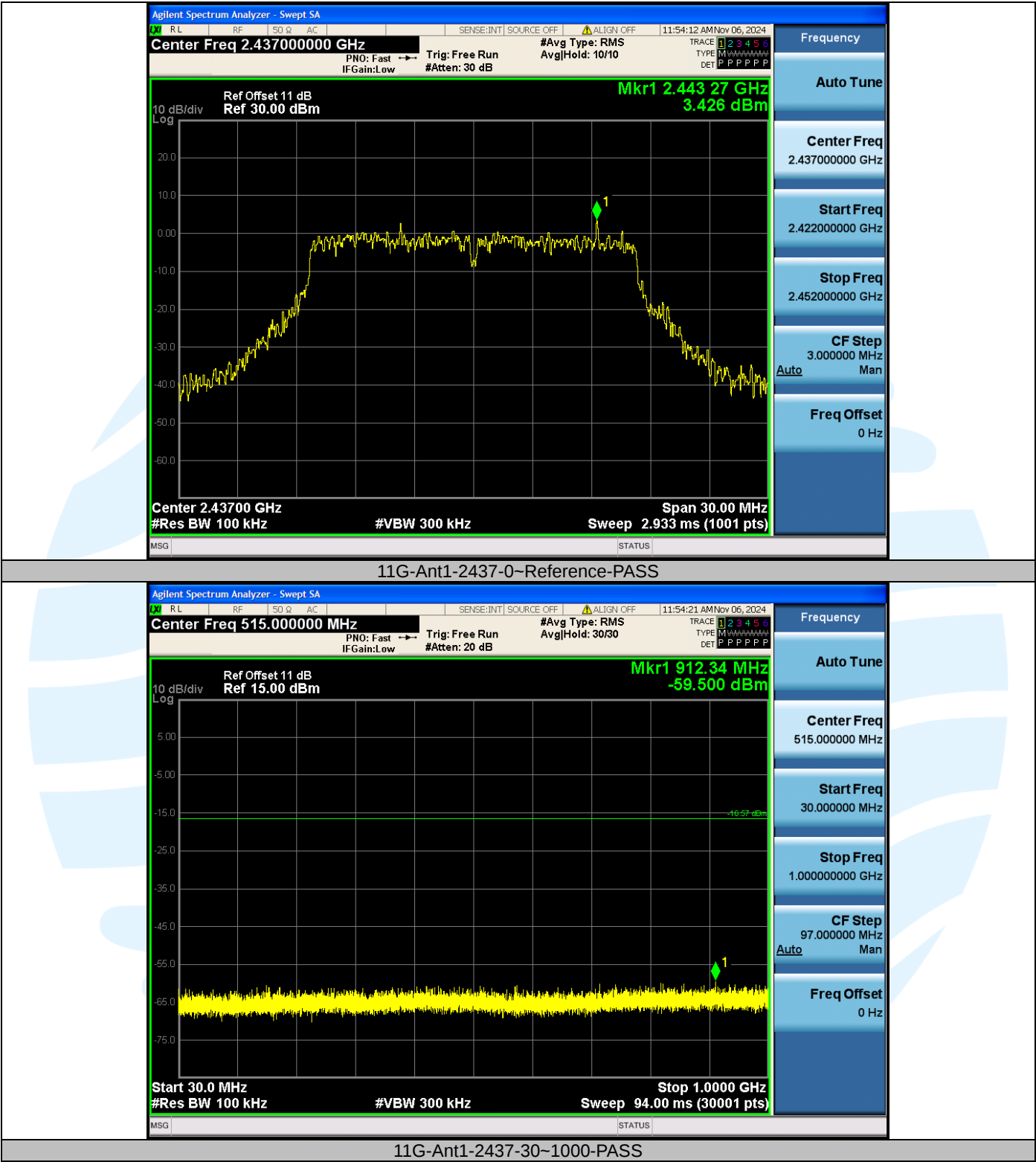
E-mail: info@uttlab.com

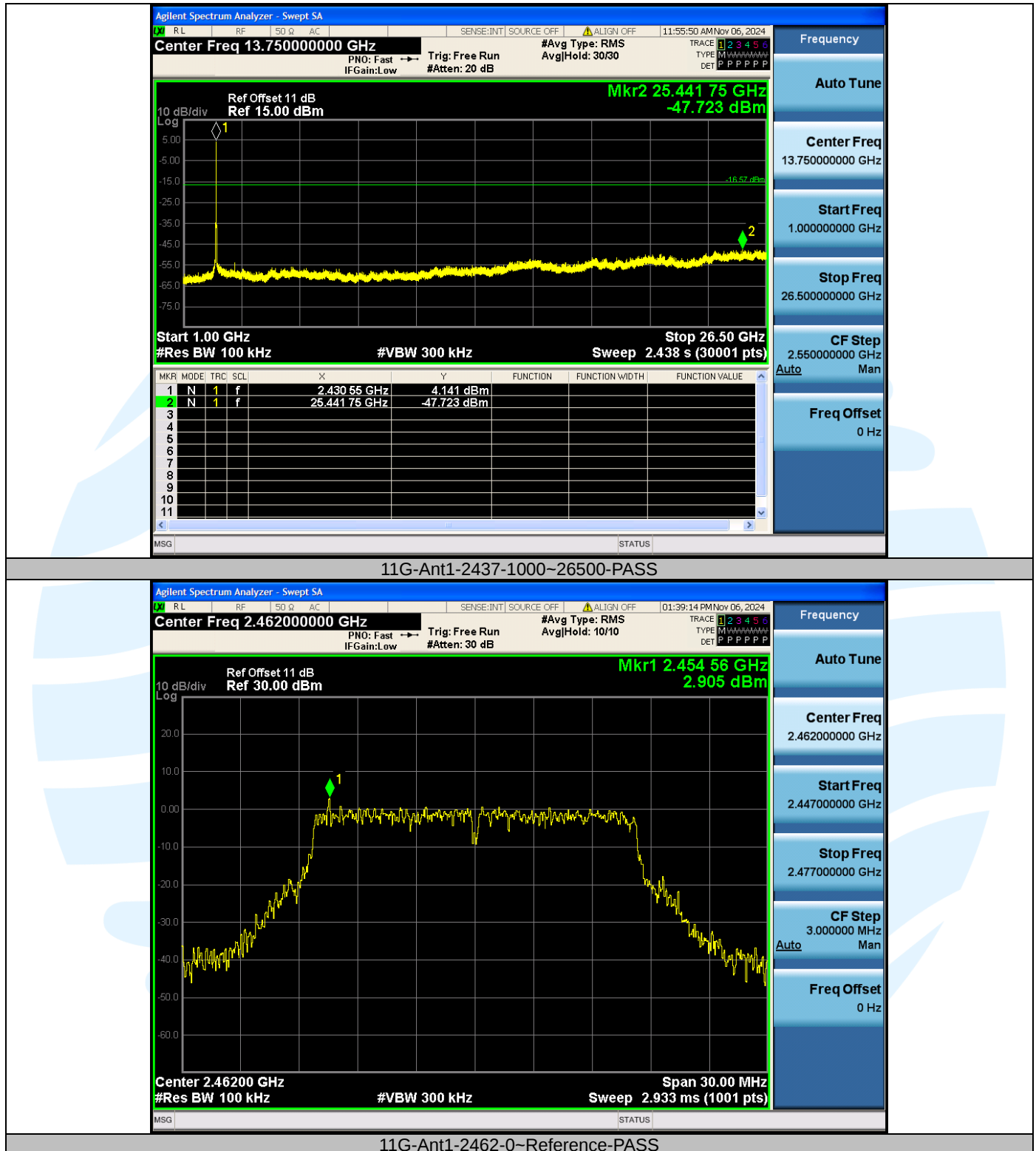
<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1







**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

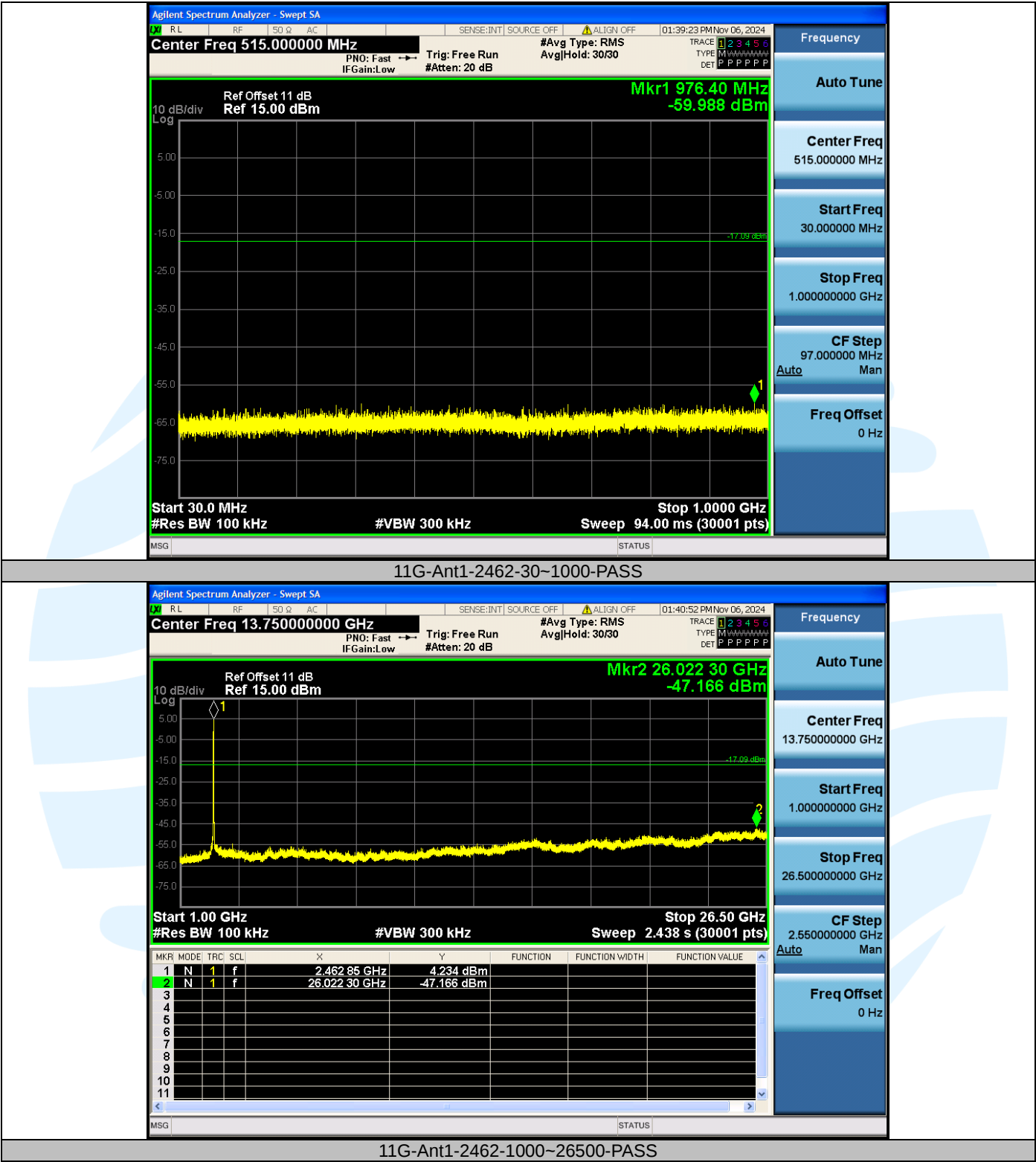
Tel: +86-755-28230888

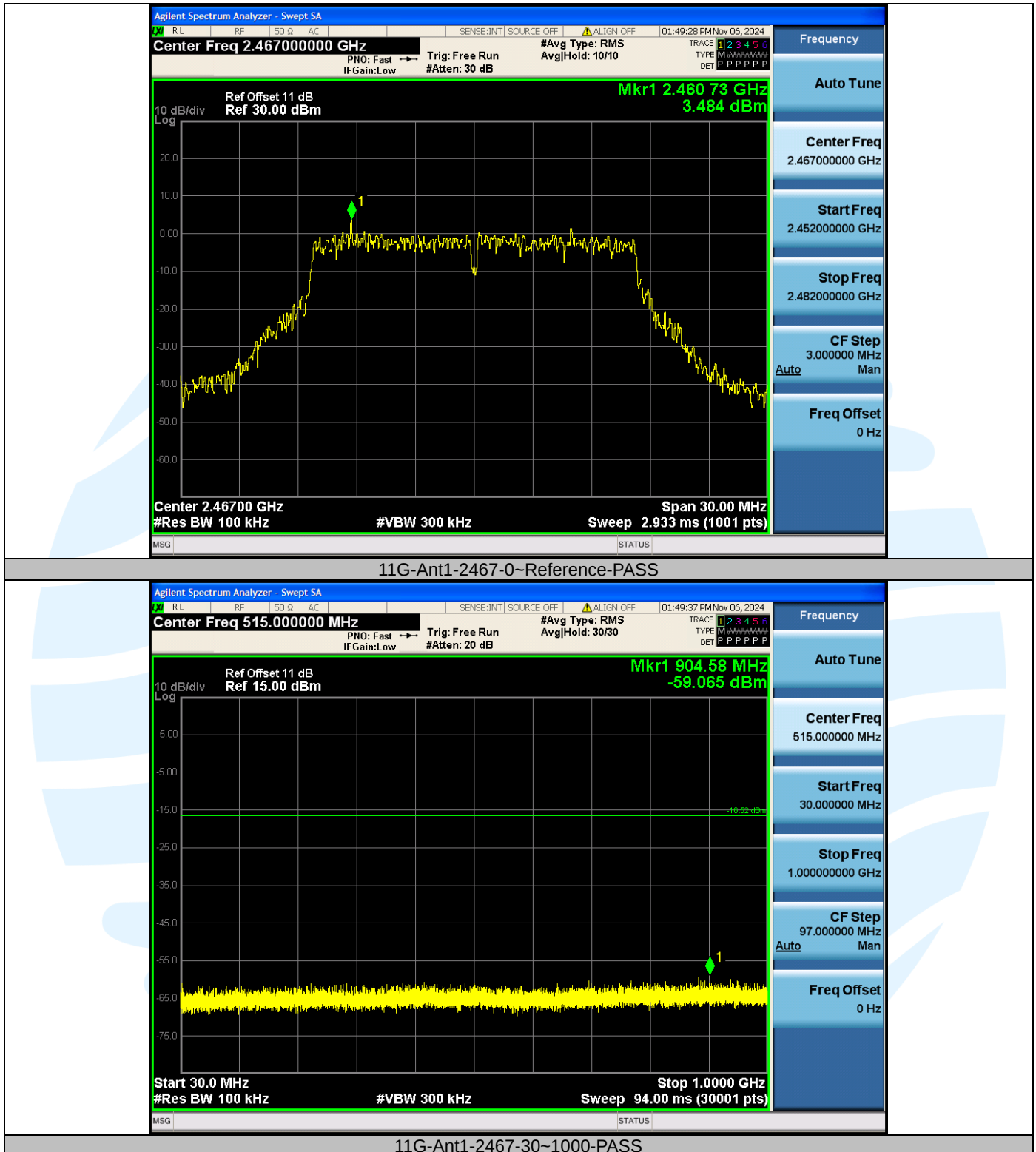
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1



**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

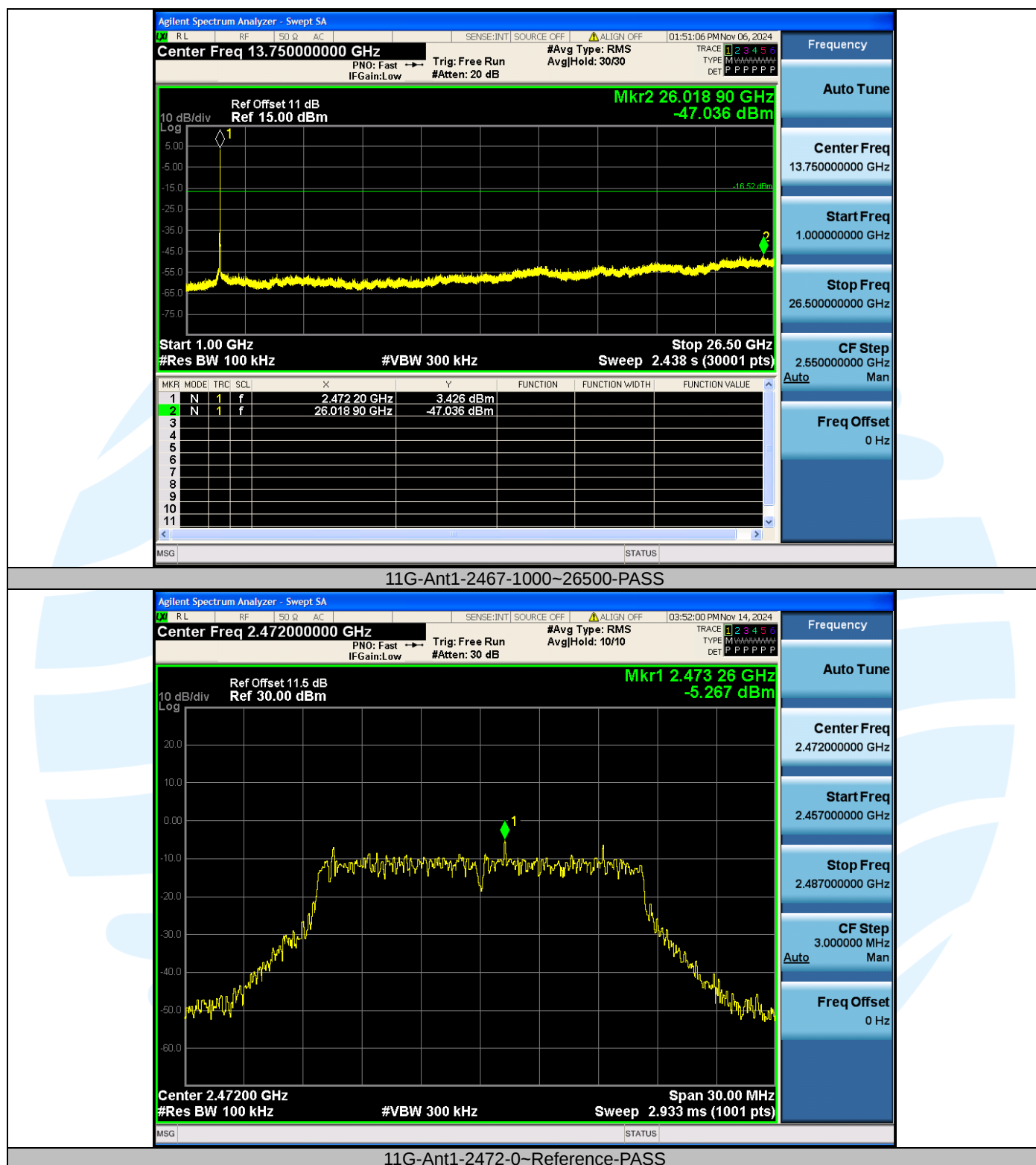
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1



Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

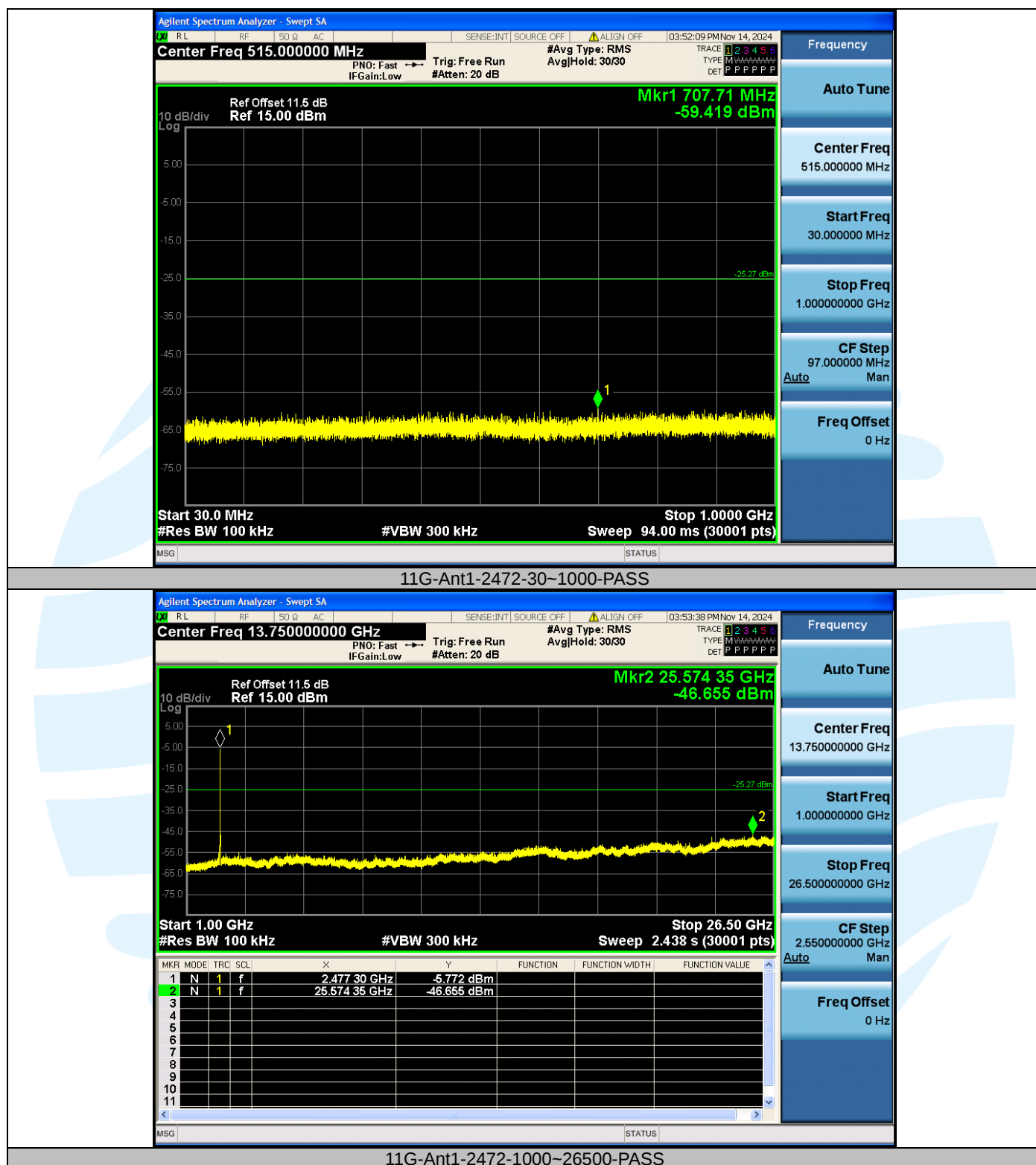
Tel: +86-755-28230888

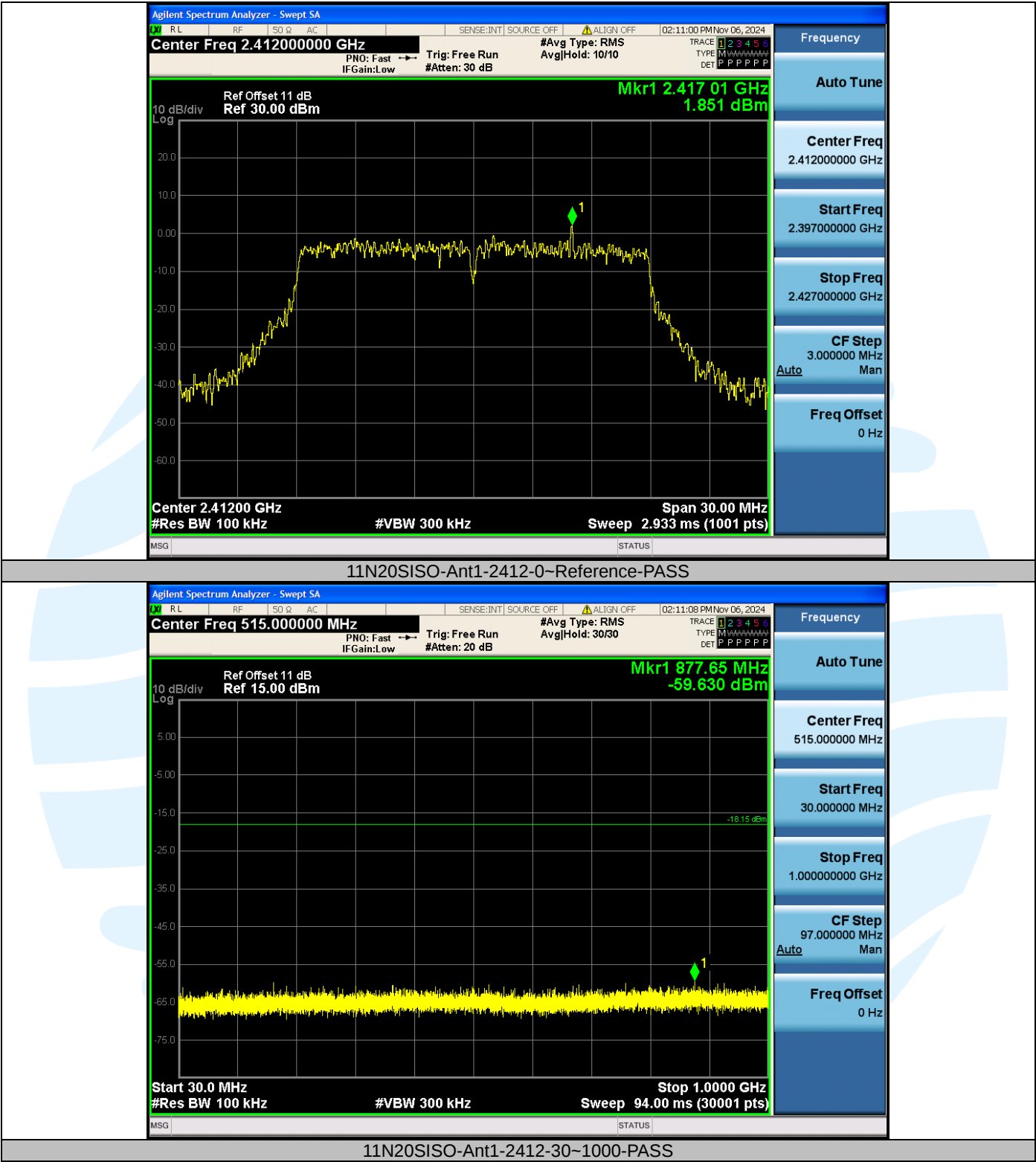
Fax: +86-755-28230886

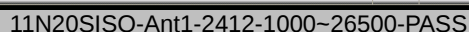
E-mail: info@uttlab.com

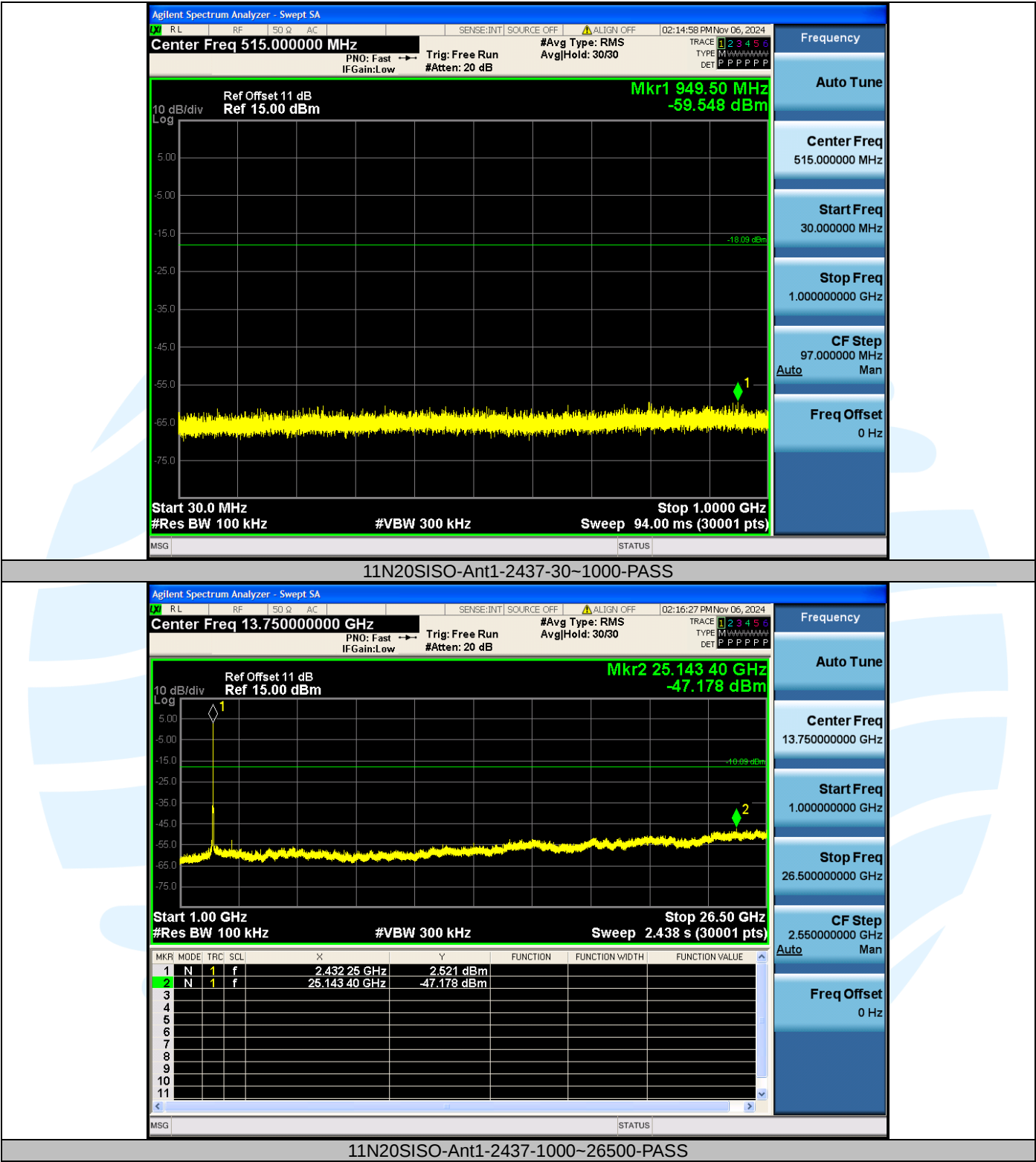
<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1









Agilent Spectrum Analyzer - Swept SA

RL

RF

ISO

AC

SENSE:INT SOURCE:OFF ALIGN:OFF

02:16:27 PM Nov 06, 2024

Center Freq 13.750000000 GHz

PNO: Fast

IFGain:Low

Trig: Free Run

#Atten: 20 dB

#Avg Type: RMS

AvgHold: 30/30

TRACE 1 2 3 4 5 6

TYPE M W W W W W W W W W

DET P P P P P P P

Ref Offset 11 dB

Ref 15.00 dBm

Mkr2 25.143 40 GHz

-47.178 dBm

10 dB/div

Log

5.00

-5.00

-15.0

-25.0

-35.0

-45.0

-55.0

-65.0

-75.0

Start 1.00 GHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 2.438 s (30001 pts)

Stop 26.50 GHz

MSG

STATUS

Frequency

Auto Tune

Center Freq
13.750000000 GHz

Start Freq
1.000000000 GHz

Stop Freq
26.500000000 GHz

CF Step
2.550000000 GHz
Auto Man

Freq Offset
0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.432 25 GHz	2.521 dBm			
2	N	1	f	25.143 40 GHz	-47.178 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

11N20SISO-Ant1-2437-1000~26500-PASS

